

FIG.1

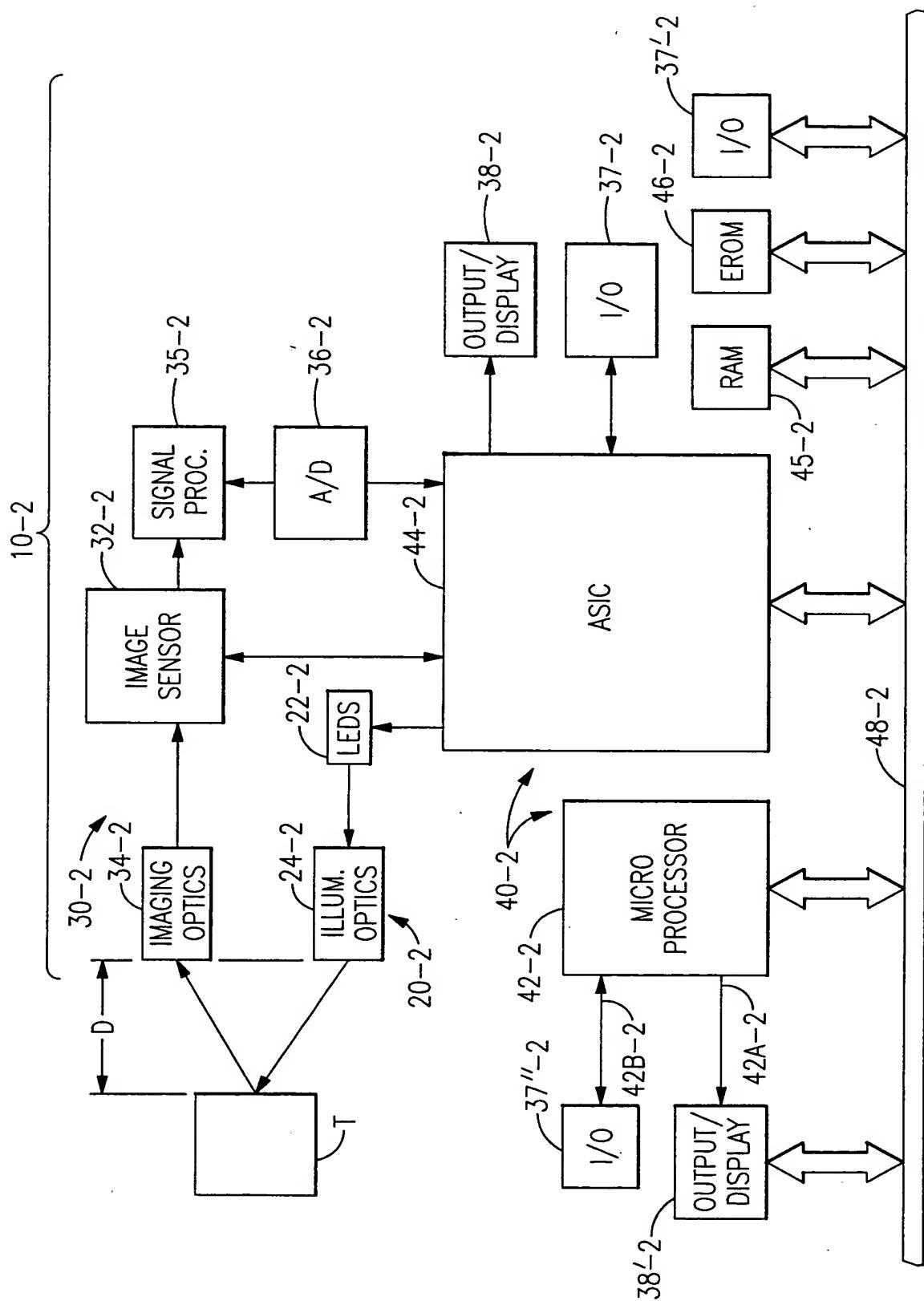


FIG.2

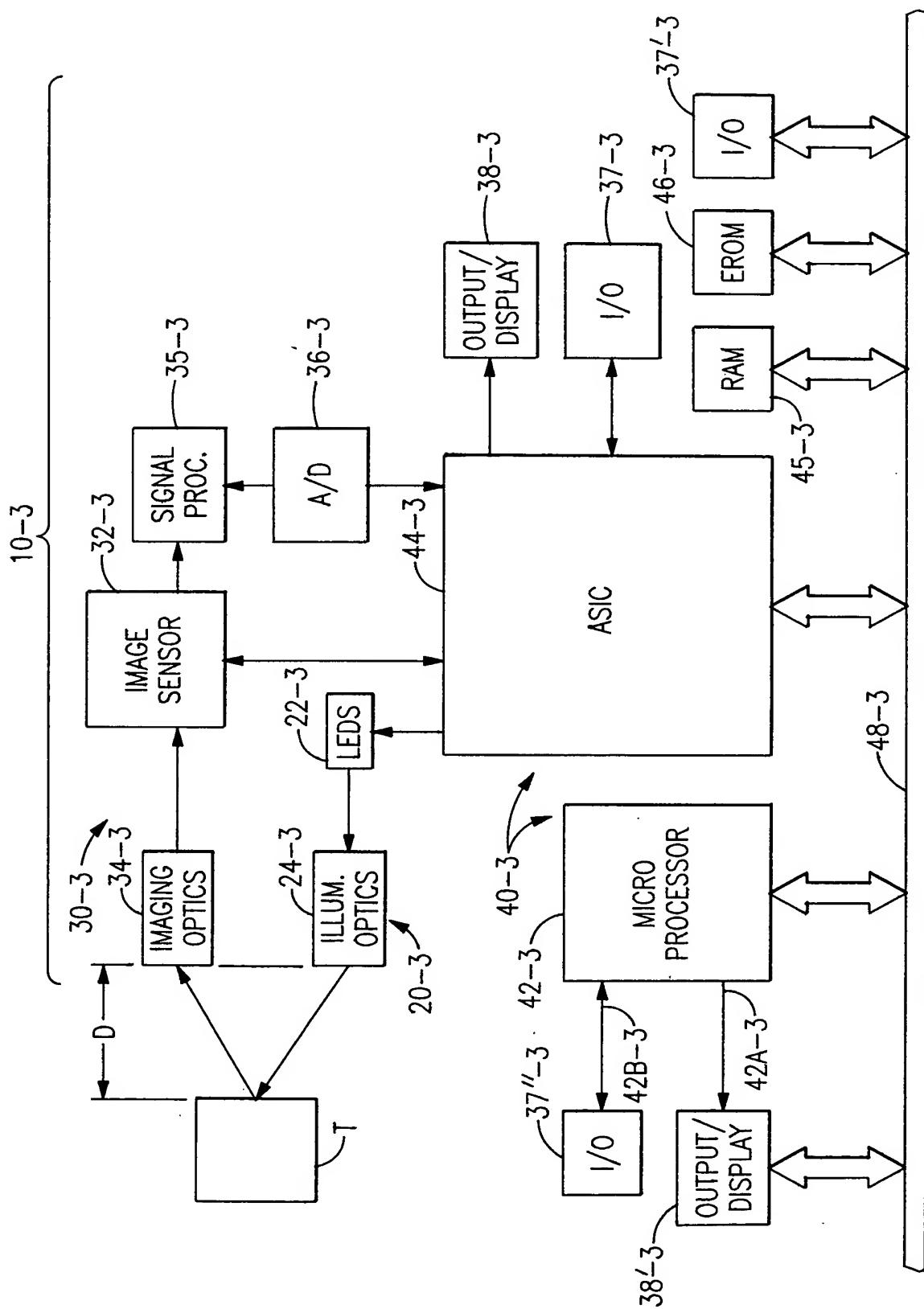


FIG.3

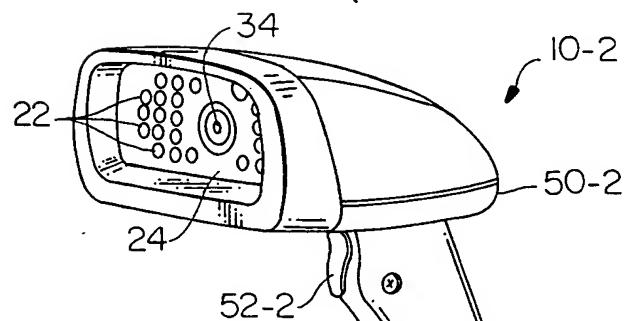


FIG. 4A

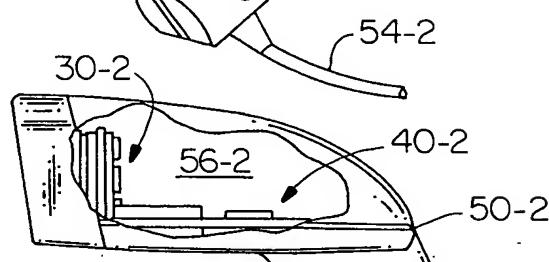


FIG. 4B

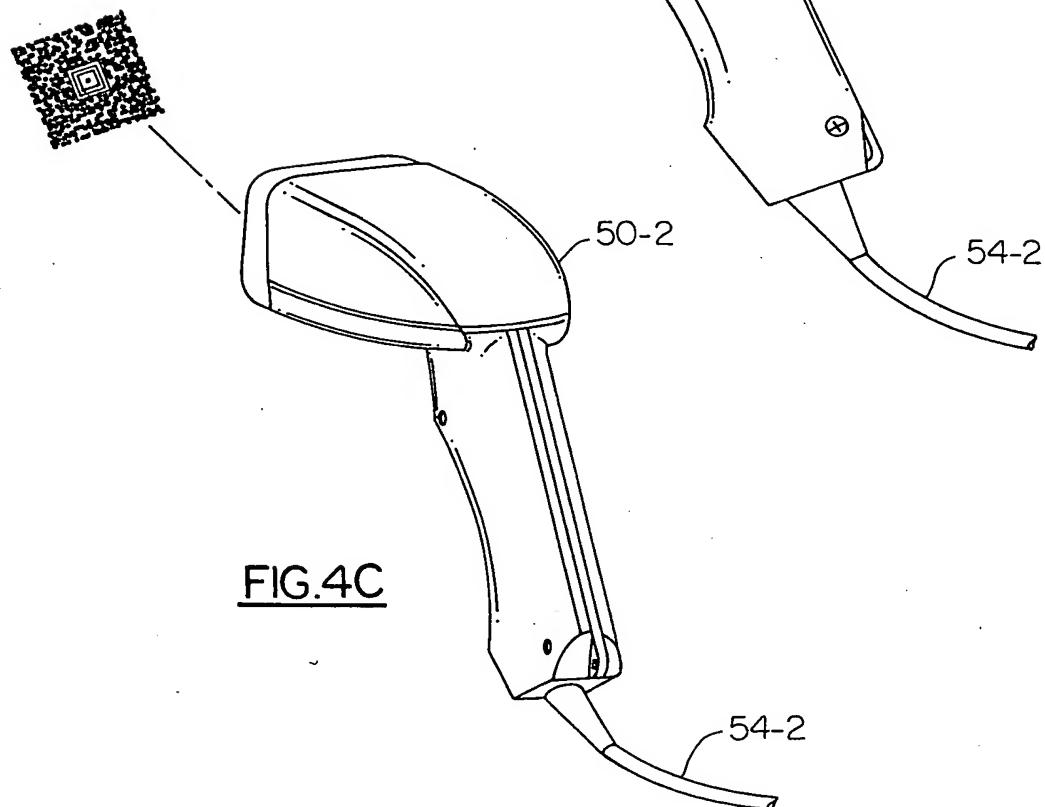
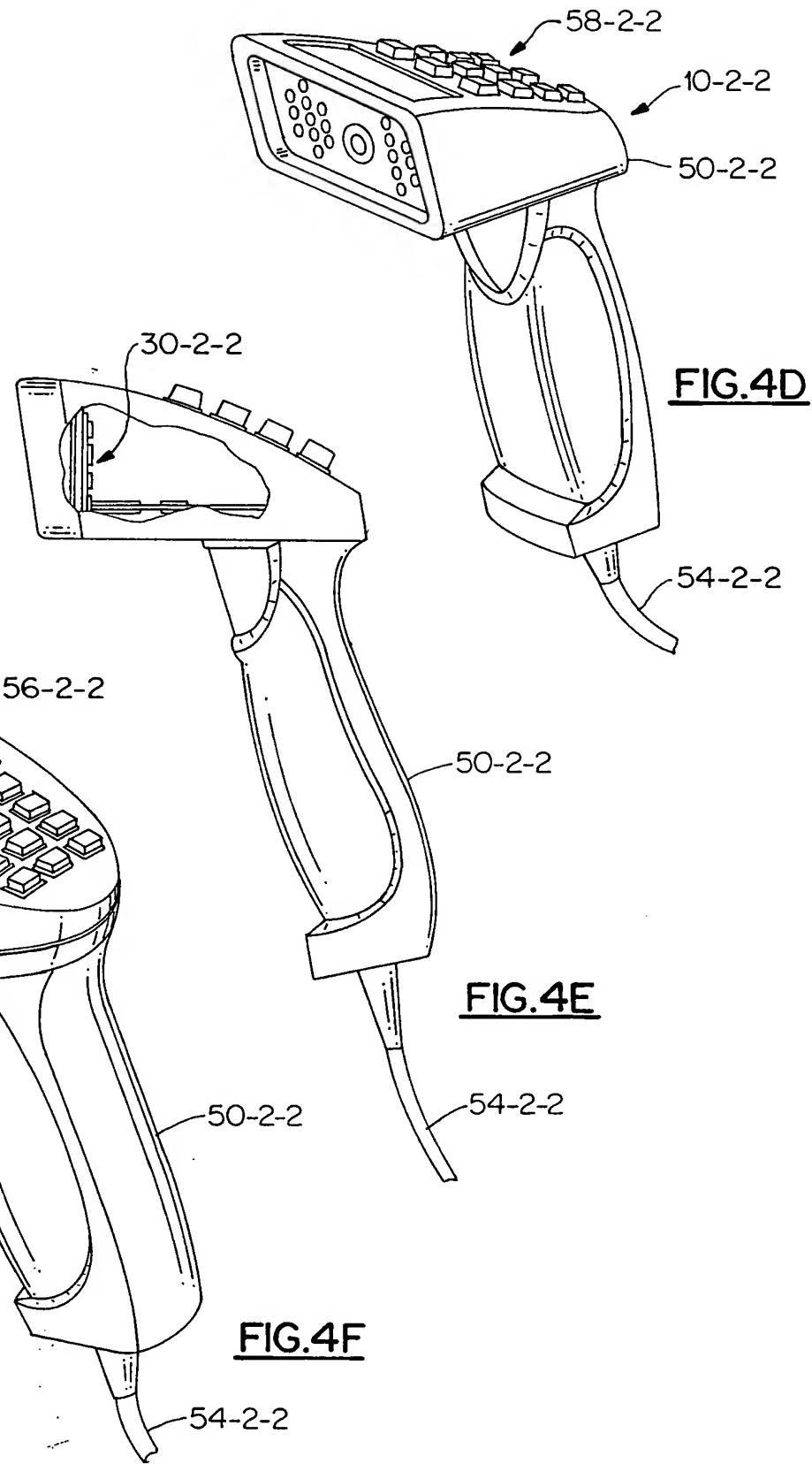


FIG. 4C



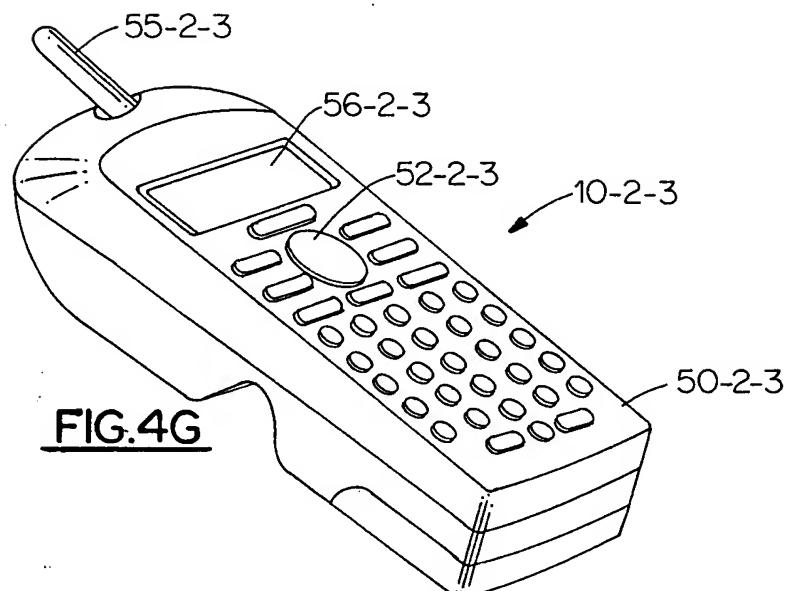


FIG.4G

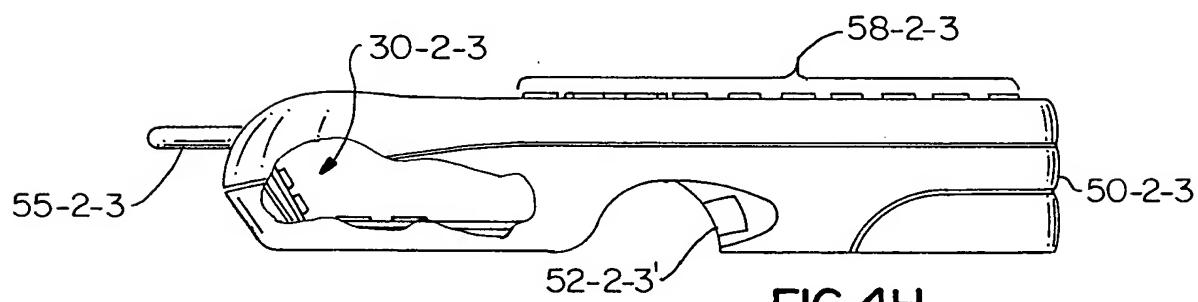


FIG.4H

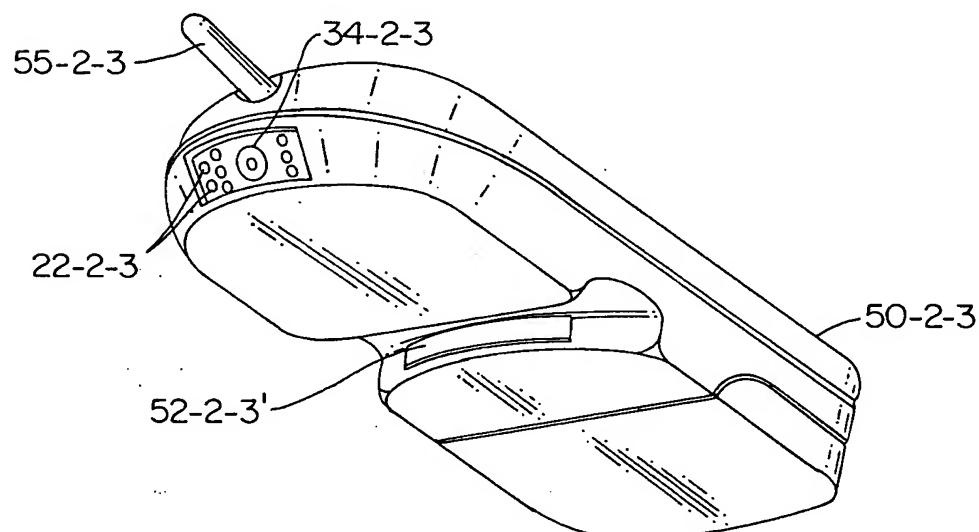


FIG.4I

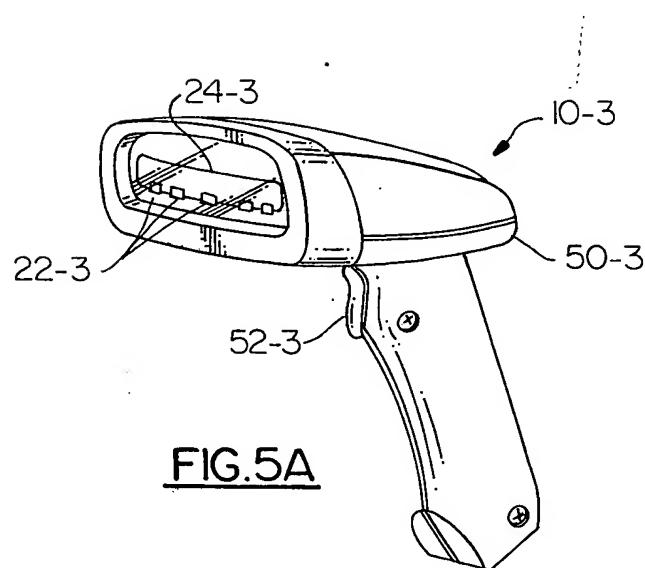


FIG.5A

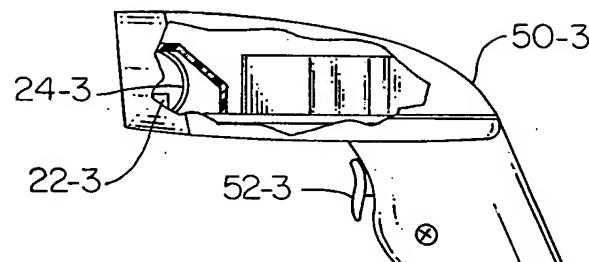


FIG.5B

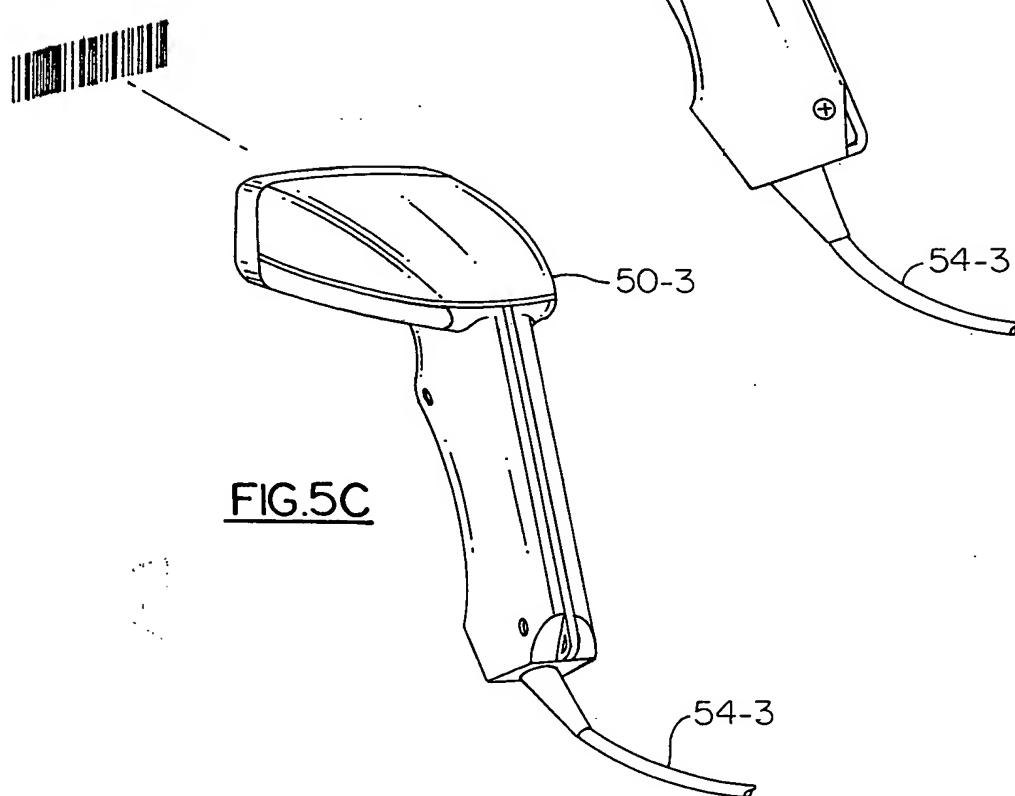
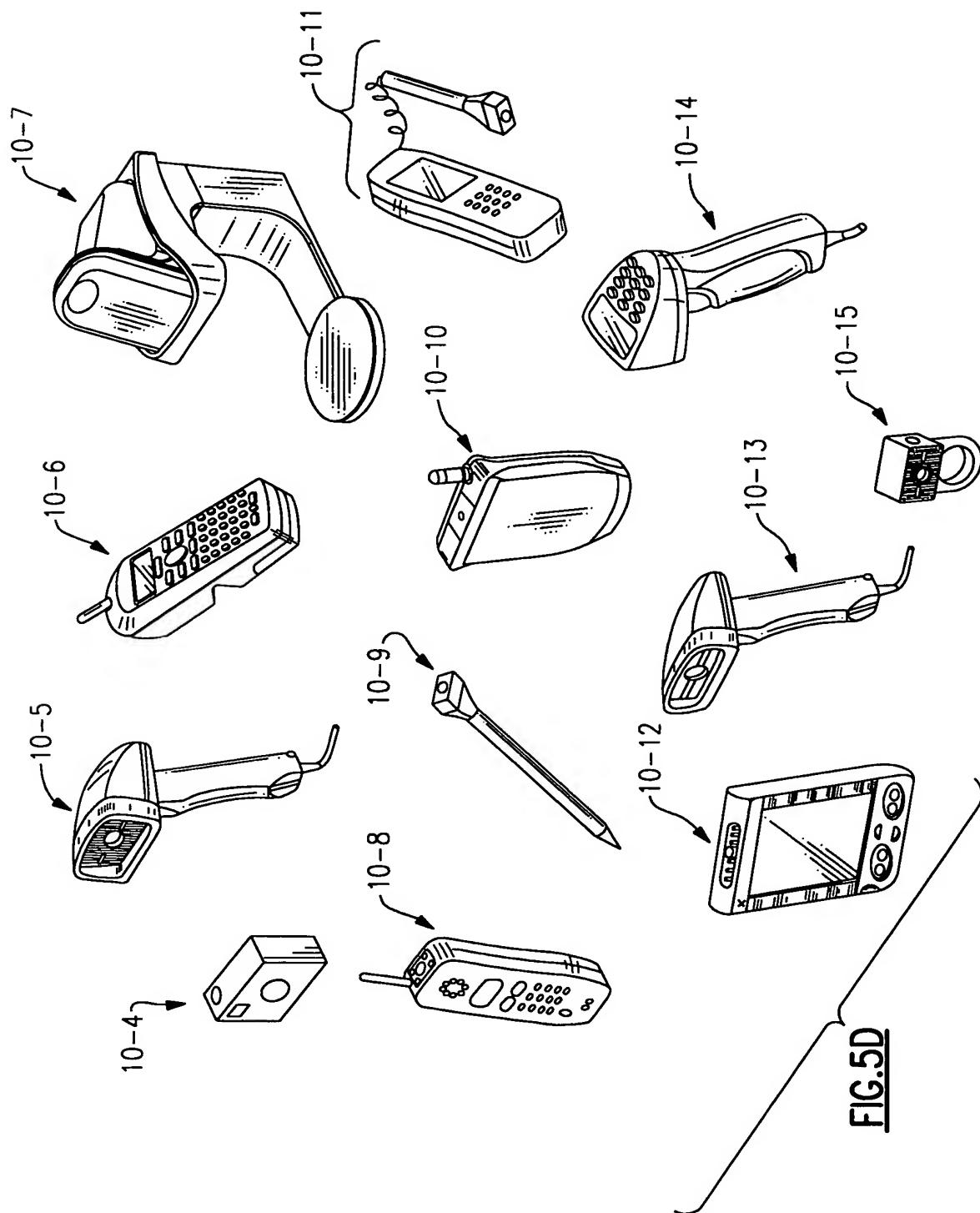


FIG.5C



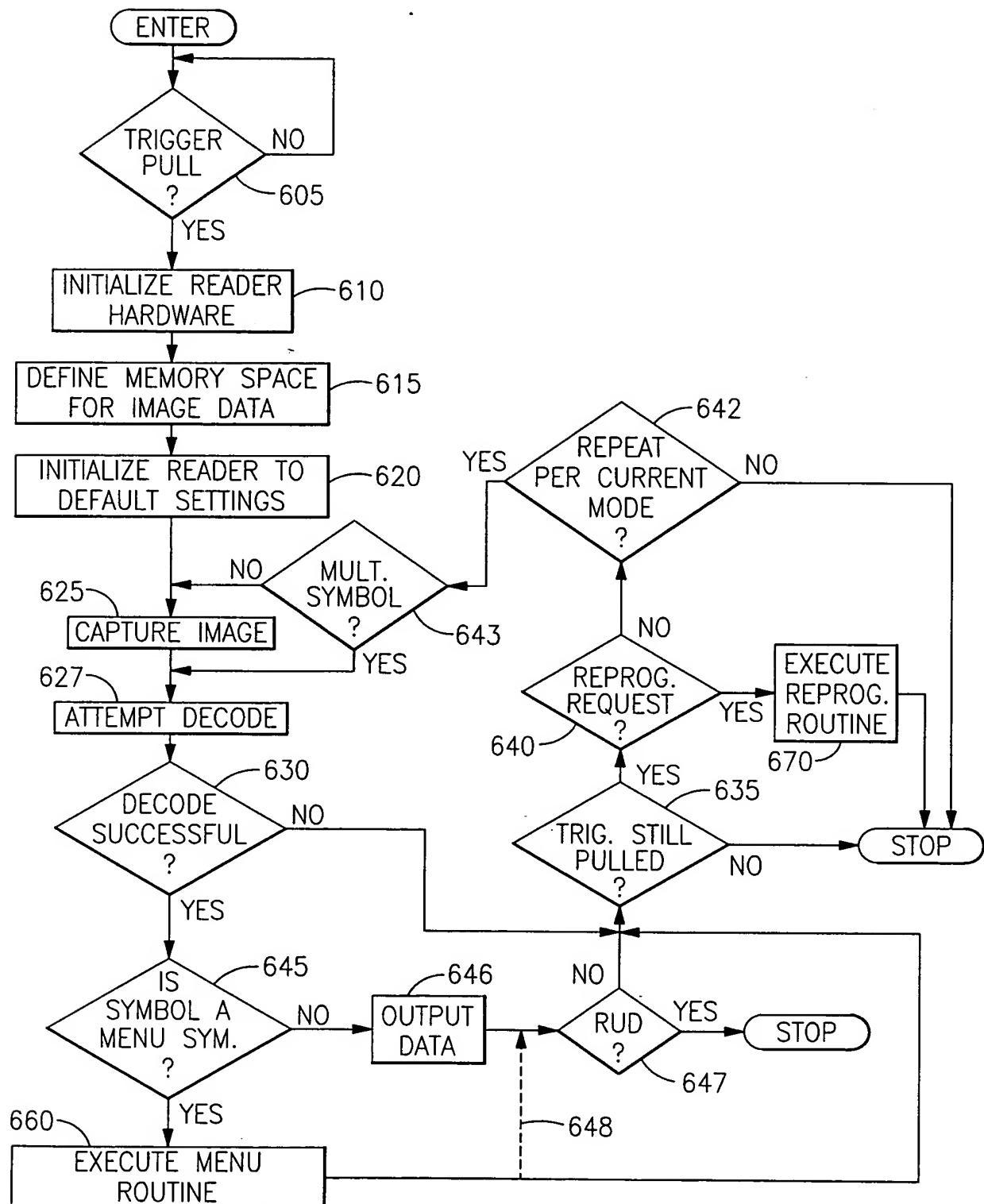


FIG.6A

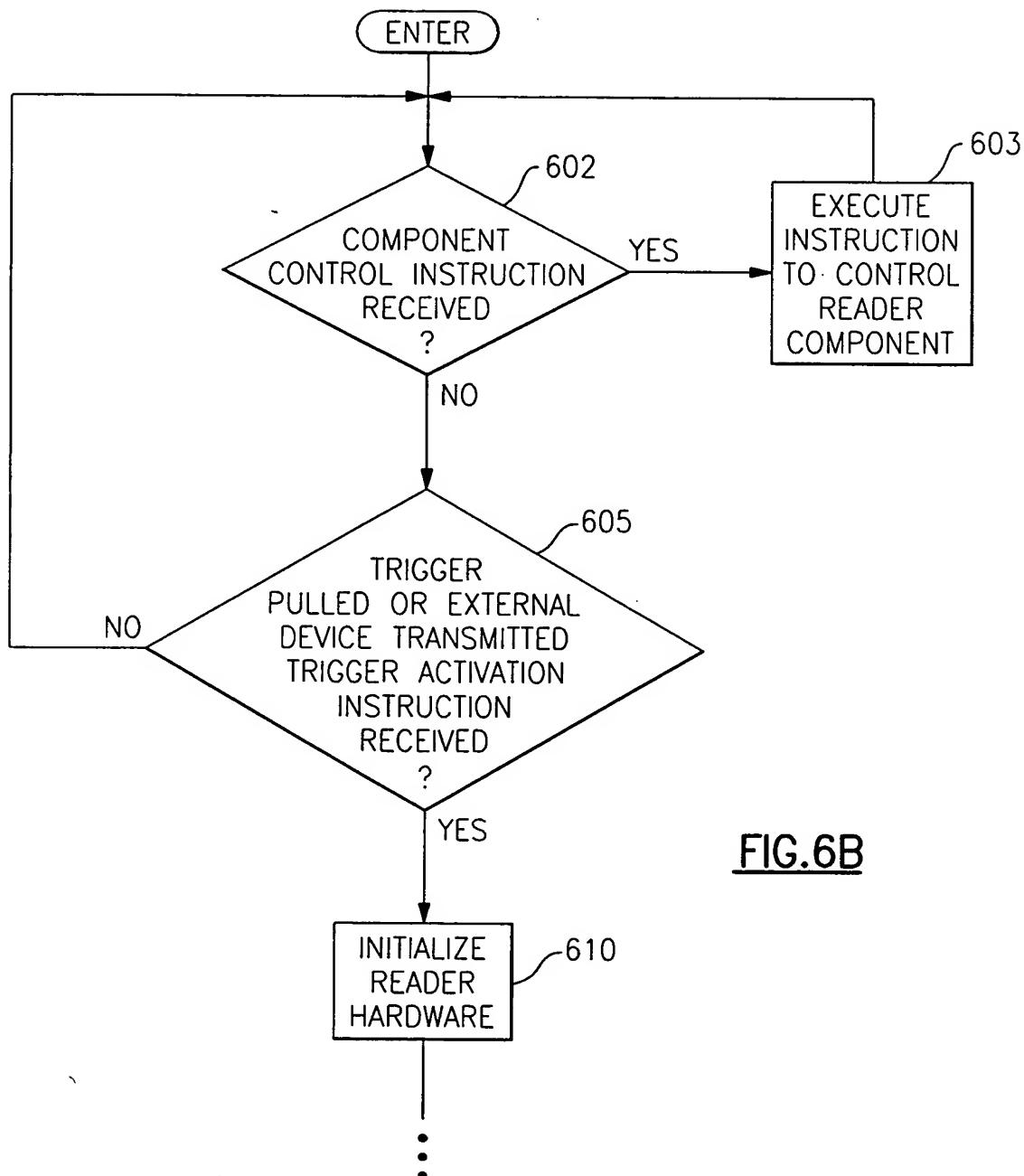


FIG.6B

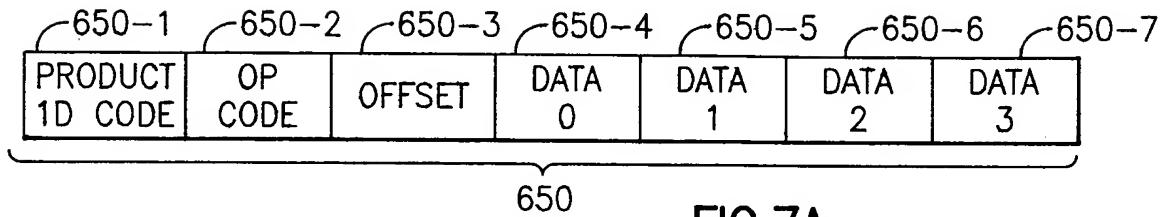


FIG.7A

OPTIONS (OFFSET) TABLE

- A. COMMUNICATIONS OPTIONS
 - 1. RS-232
 - 2. BAUD RATE
 - 3. RF LINK
 - 4. ETHERNET
- B. CODE OPTIONS
 - 1. DISABLE 1D
 - 2. DISABLE 2D
 - 3. DISABLE INDIV.
 - 4. MIN-MAX LENGTH
 - 5. MULTIPLE SYMBOLS ENABLED
- C. SCANNING-DECODING OPTIONS
 - 1. ONE SHOT
 - 2. REPEAT UNTIL DONE
 - 3. REPEAT UNTIL STOPPED
 - 4. SCAN ON DEMAND
 - 5. SKIP SCAN
 - 6. DECODE ON DEMAND
- D. OPERATING OPTIONS
 - 1. BEEPER VOLUME
 - 2. AIMING LED ON/OFF
 - 3. AURAL FEEDBACK
- E. TRANSMIT OPTIONS
 - 1. SEND CHECK CHAR'S
 - 2. SEND CHECKSUM
 - 3. DATA EDIT OPTIONS

FIG.7B

OP CODE TABLE

- A. OP CODE "0" - VECTOR PROC.
 - 1. OUTPUT VERSION
OF SOFTWARE
- 2. OUTPUT CONTENTS OF
PARAMETER TABLE
- 3. DISPLAY ENABLED CODES
- 4. PRINT PARAMETER TABLE
AS BAR CODE SYMBOL
- B. OP CODE "1" - CLEAR
- C. OP CODE "2" - SET
- D. OP CODE "3" - TOGGLE
- E. OP CODE "4" - ADD
- F. OP CODE "5" - DEFAULT
- G. OP CODE "6" - LOAD
- H. OP CODE "7" - RESERVED

FIG.7C

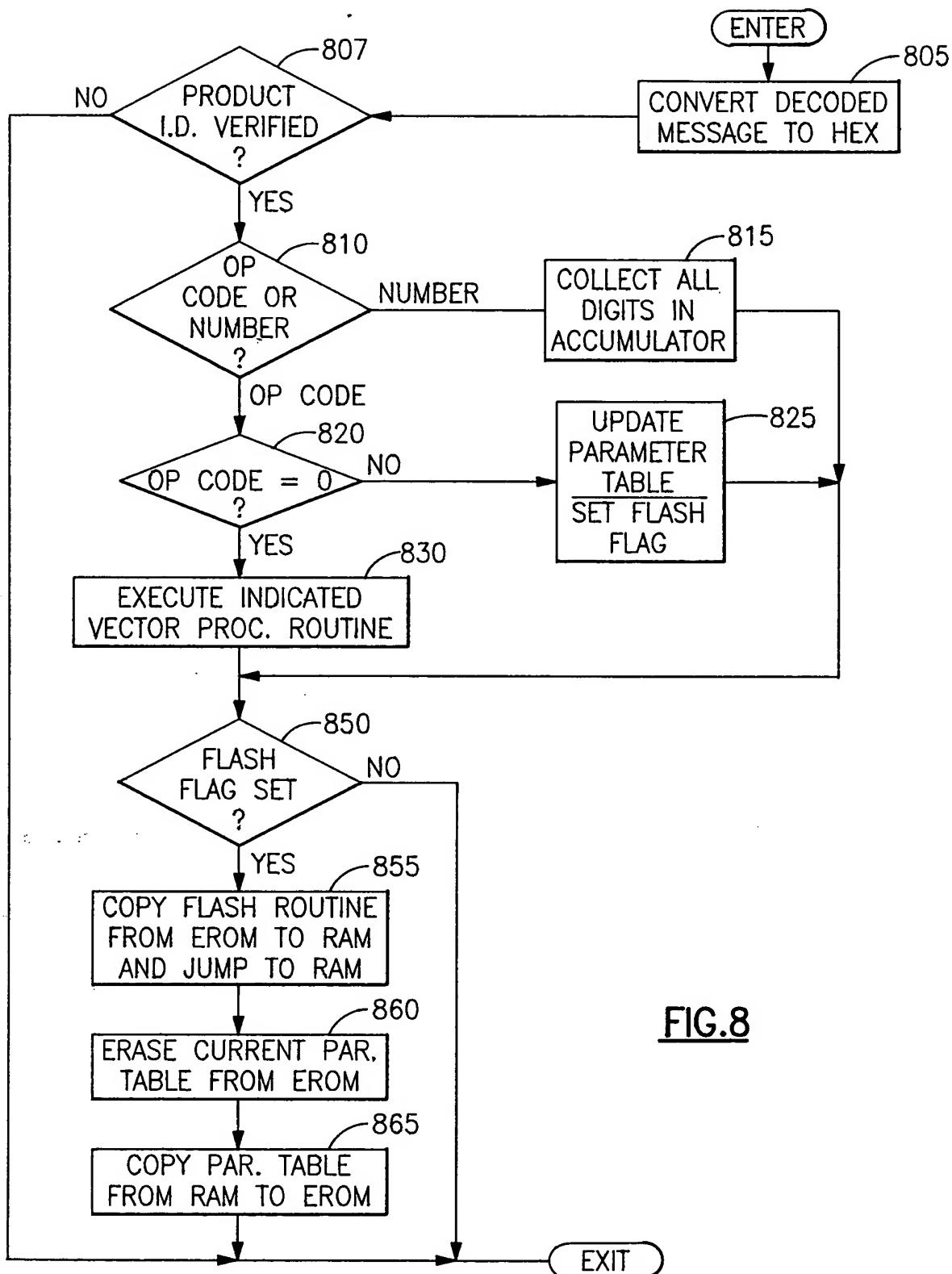
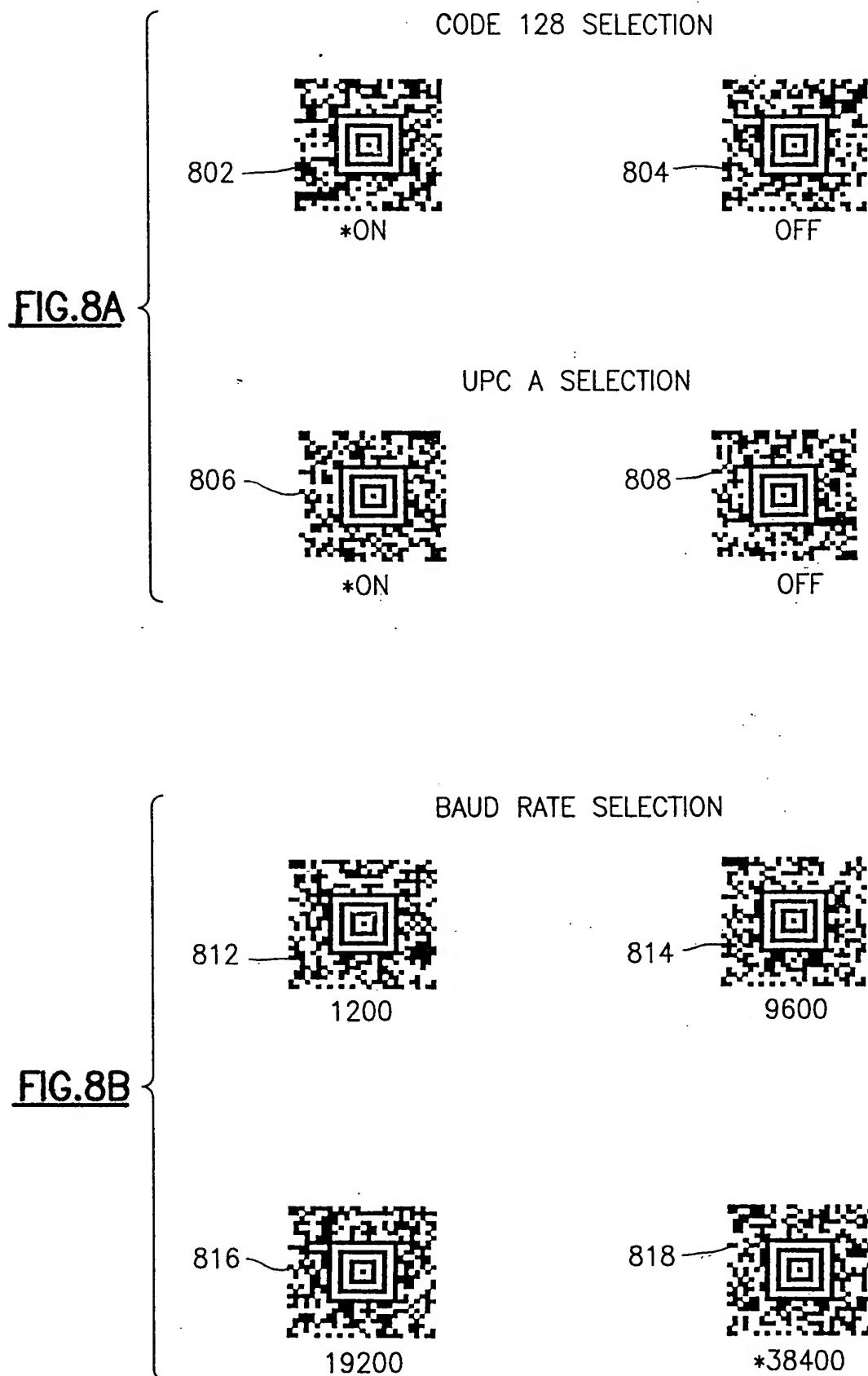


FIG.8



DEFAULT ALL CODE 11/CODE 128 SETTINGS

822 

CODE 11 SELECTION

824  CODE 11 
*ON 826 OFF

828  CHECK DIGITS
*2 CHECK DIGITS REQUIRED 
832 1 CHECK DIGIT

834  MESSAGE LENGTH 
MINIMUM ‡ 836 MAXIMUM ‡

CODE 128 SELECTION

848  CODE 128 
*ON 852 OFF

854  MESSAGE LENGTH 
MINIMUM ‡ 856 MAXIMUM ‡

‡ A TWO-DIGIT NUMBER IS REQUIRED AFTER SCANNING
THIS PROGRAMMING BAR CODE. PLEASE SCAN YOUR SELECTION
ON THE PROGRAMMING CHART (INSIDE BACK COVER).

FIG.8C

RS-232D PORT 2 (D OUTPUT)

DEFAULT ALL RS-232 PORT 2 SETTINGS

858 ~



CTS CHECK SELECTION



ENABLE



*DISABLE

BAUD RATE SELECTION



300



600



1200



2400



4800



*9600



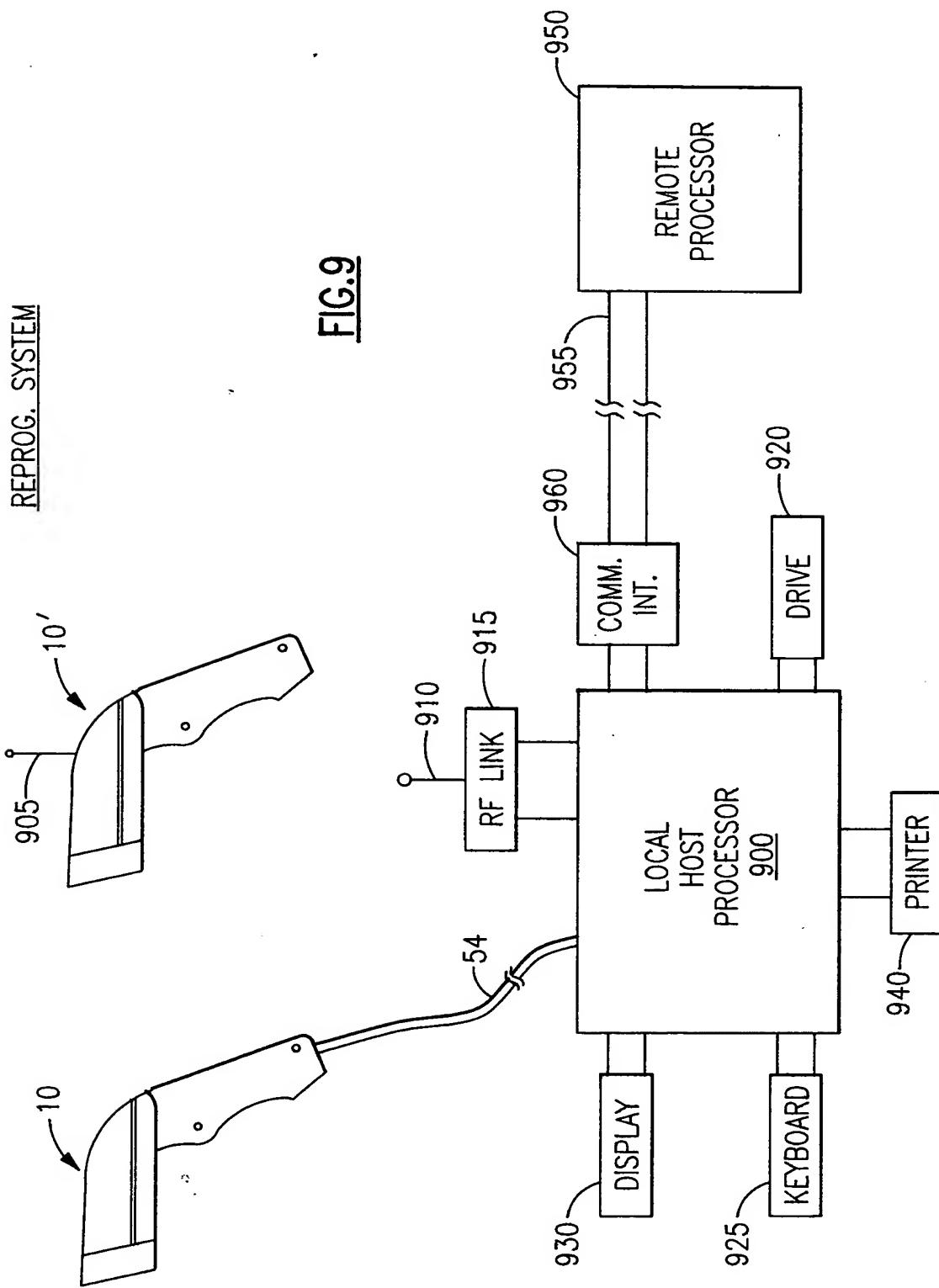
19200



38400

FIG.8D

FIG.9



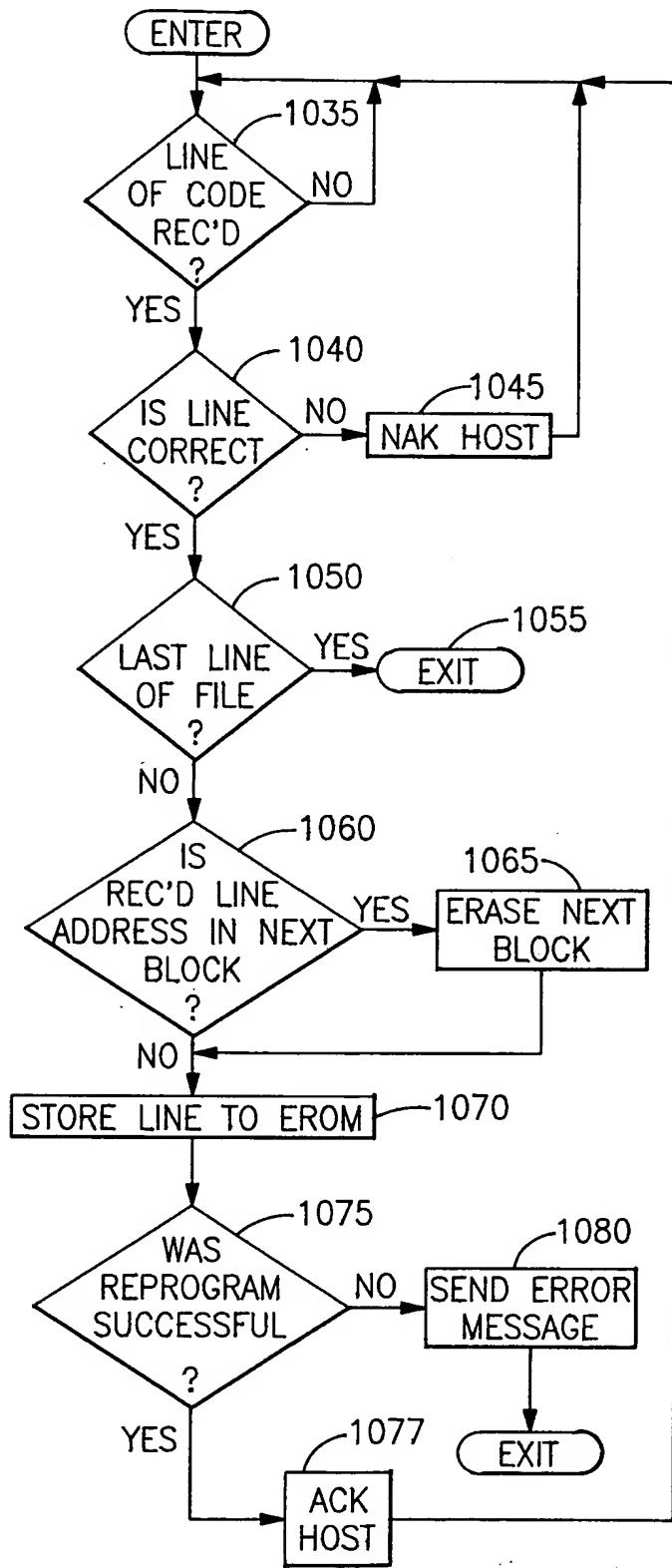
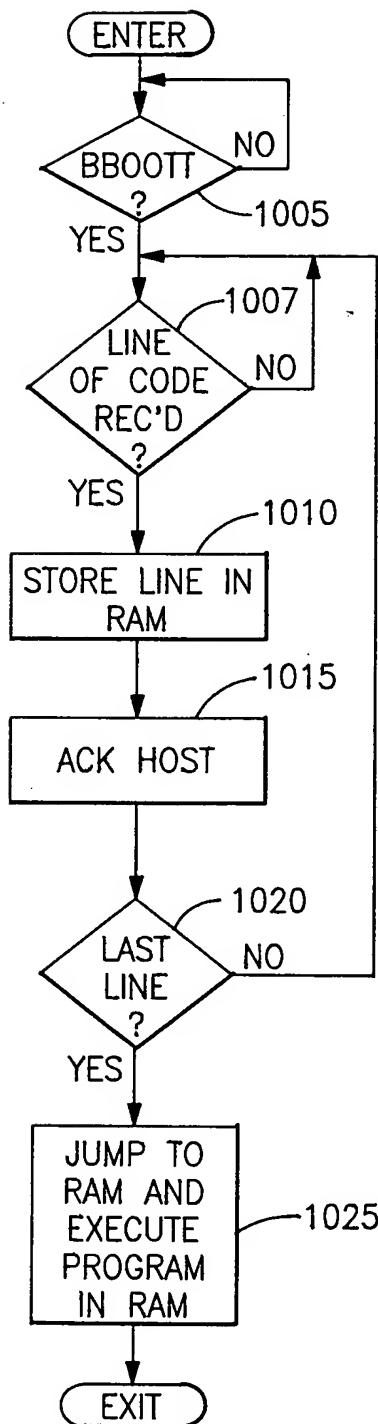
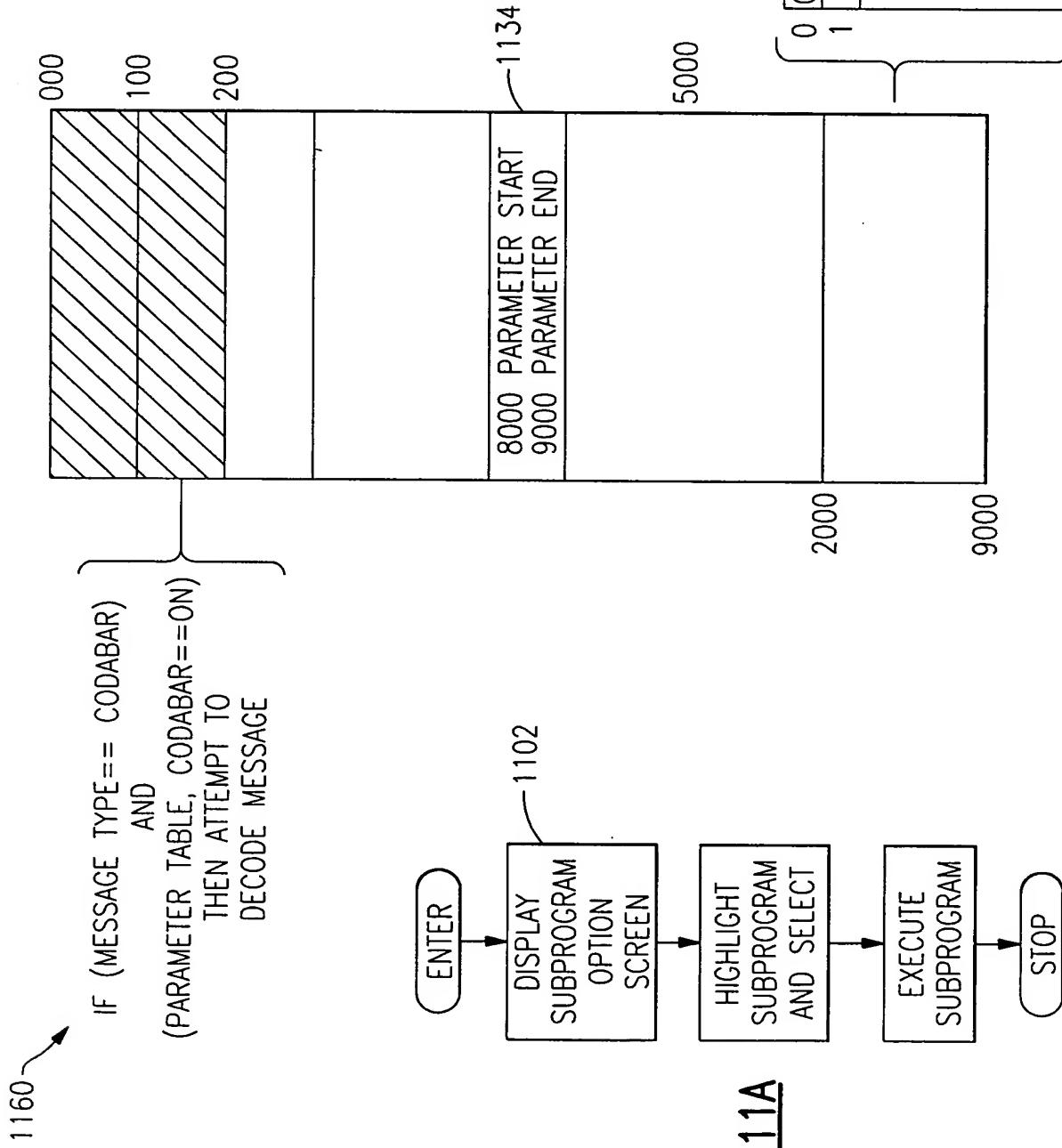
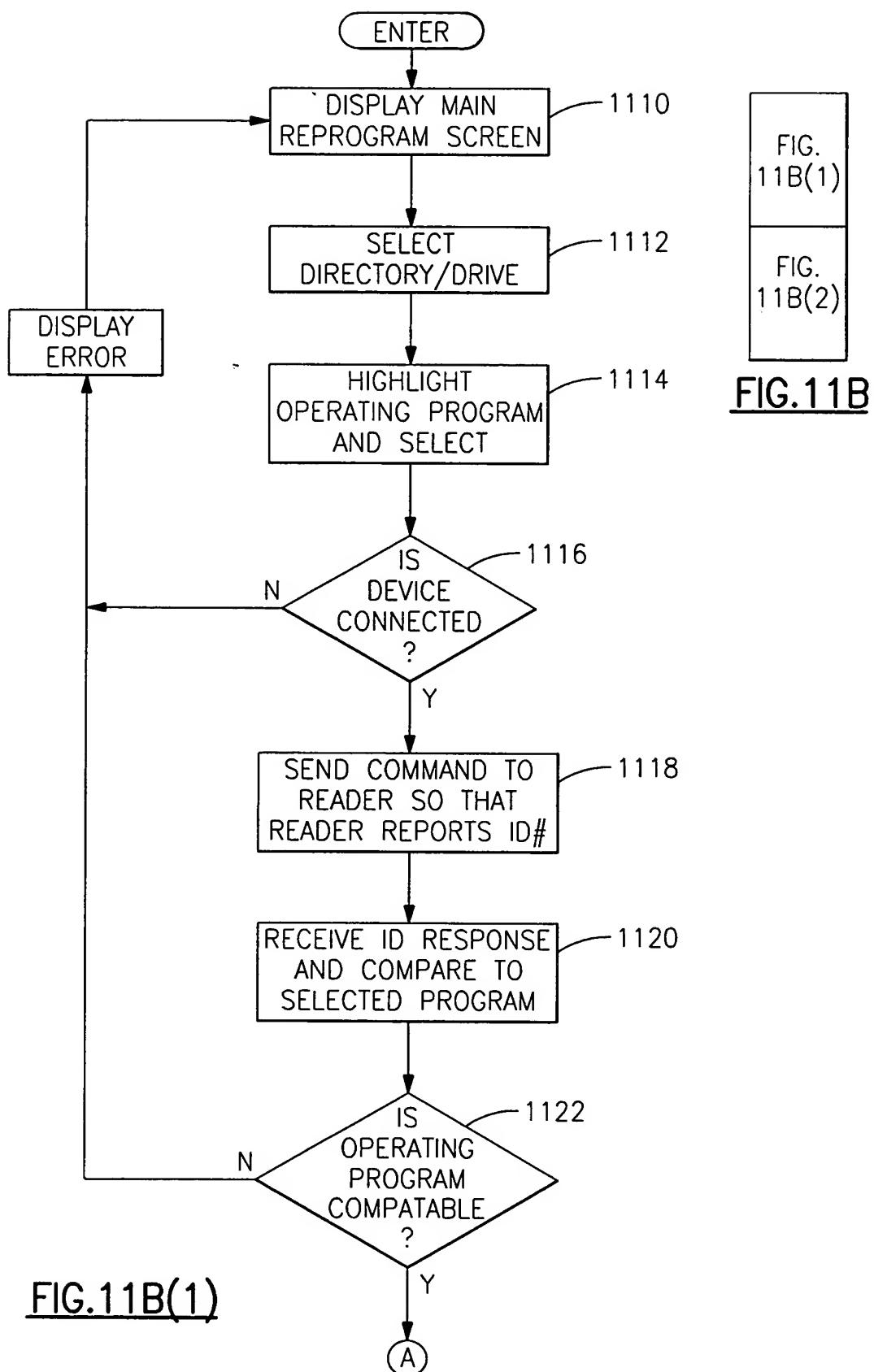


FIG. 10A

FIG 10B





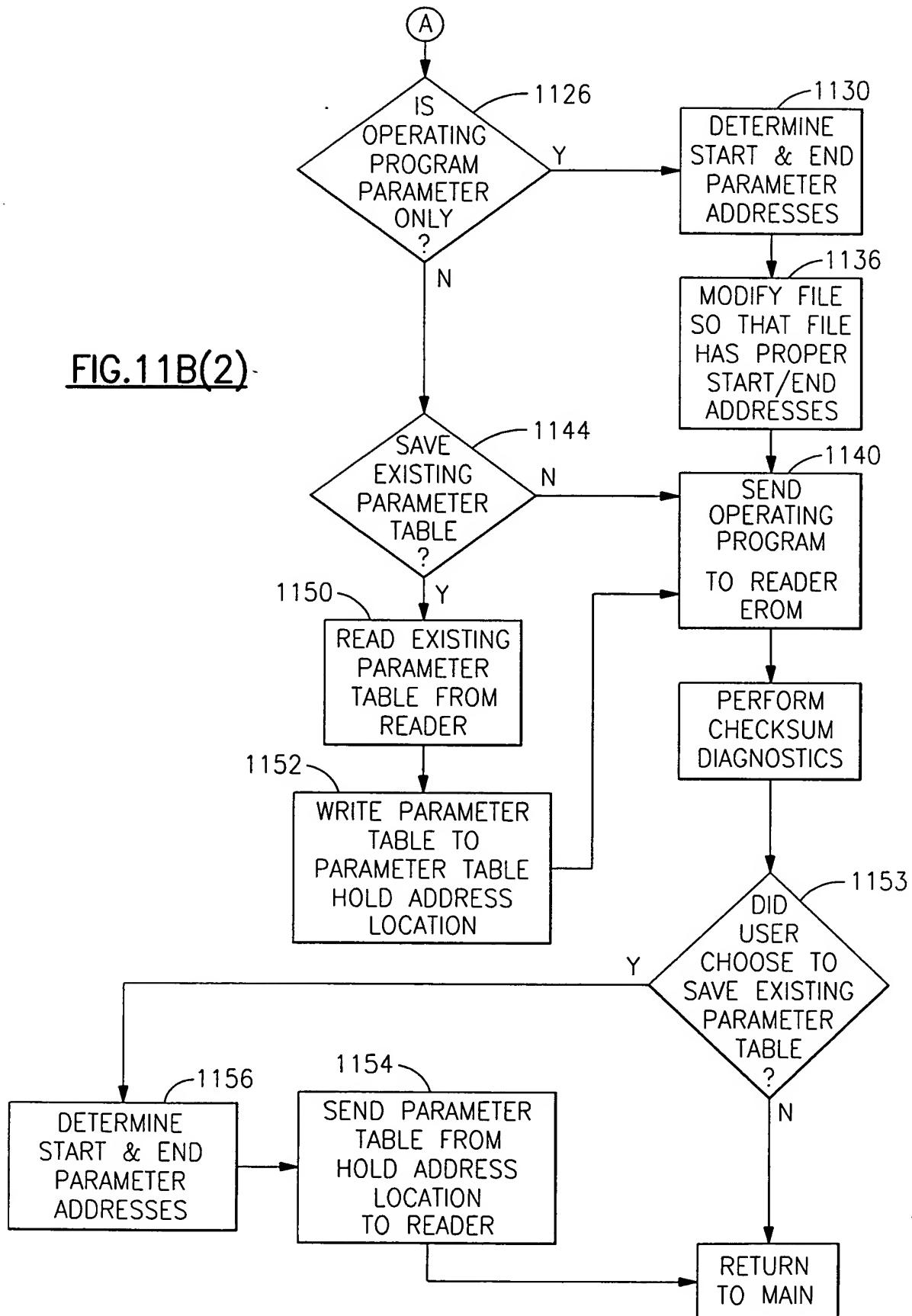
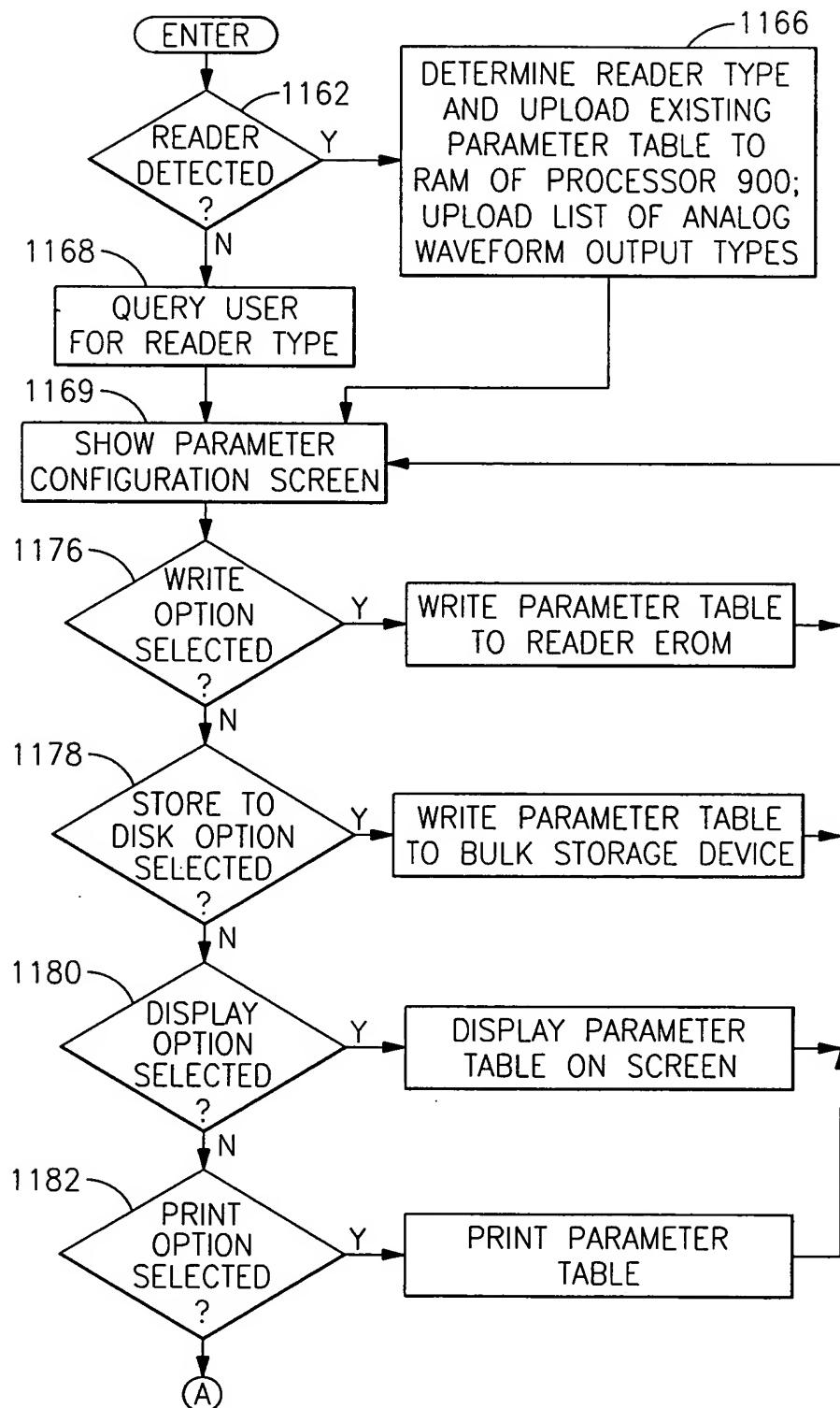


FIG.
11D(1)
FIG.
11D(2)

FIG.11D

FIG.11D(1)



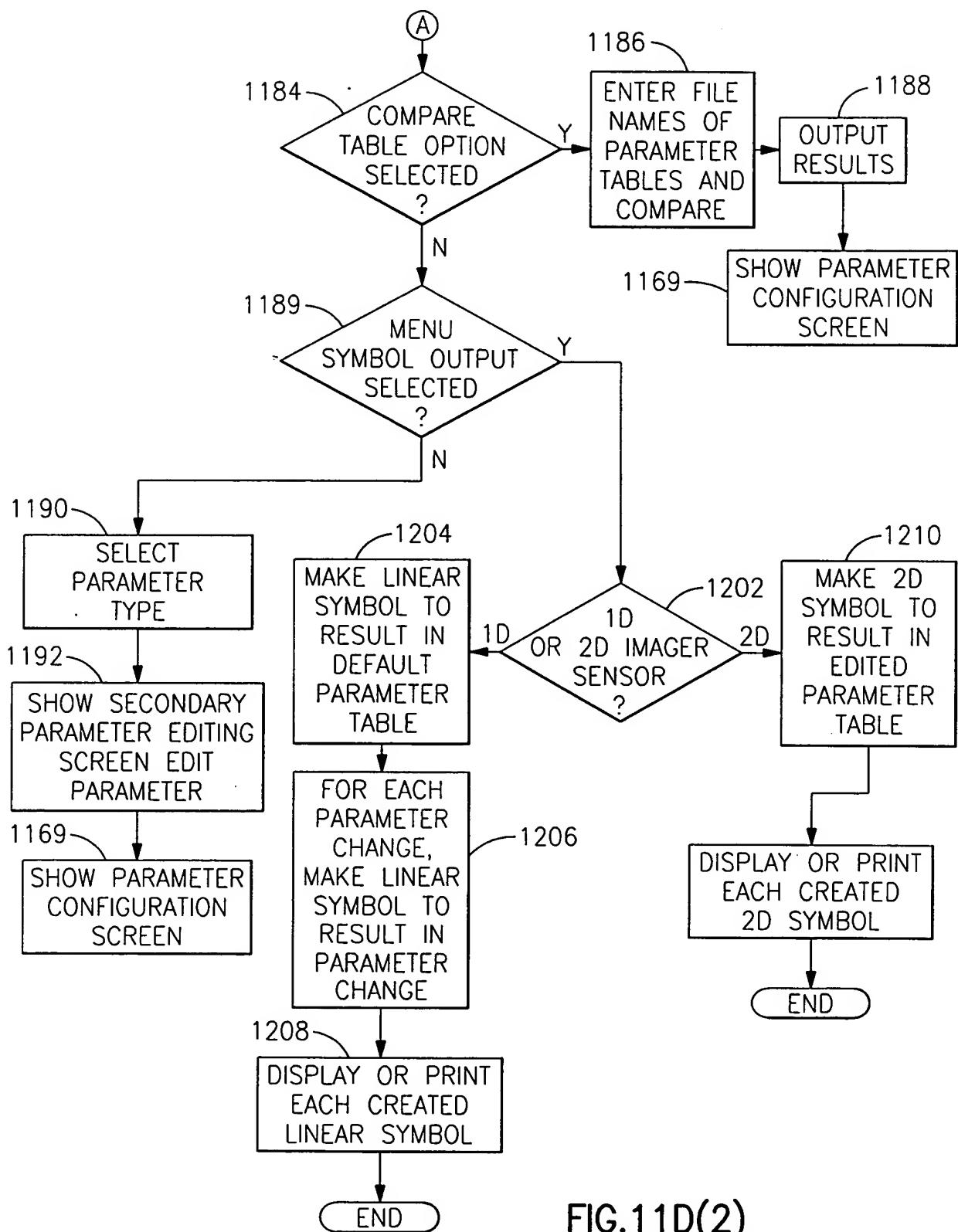
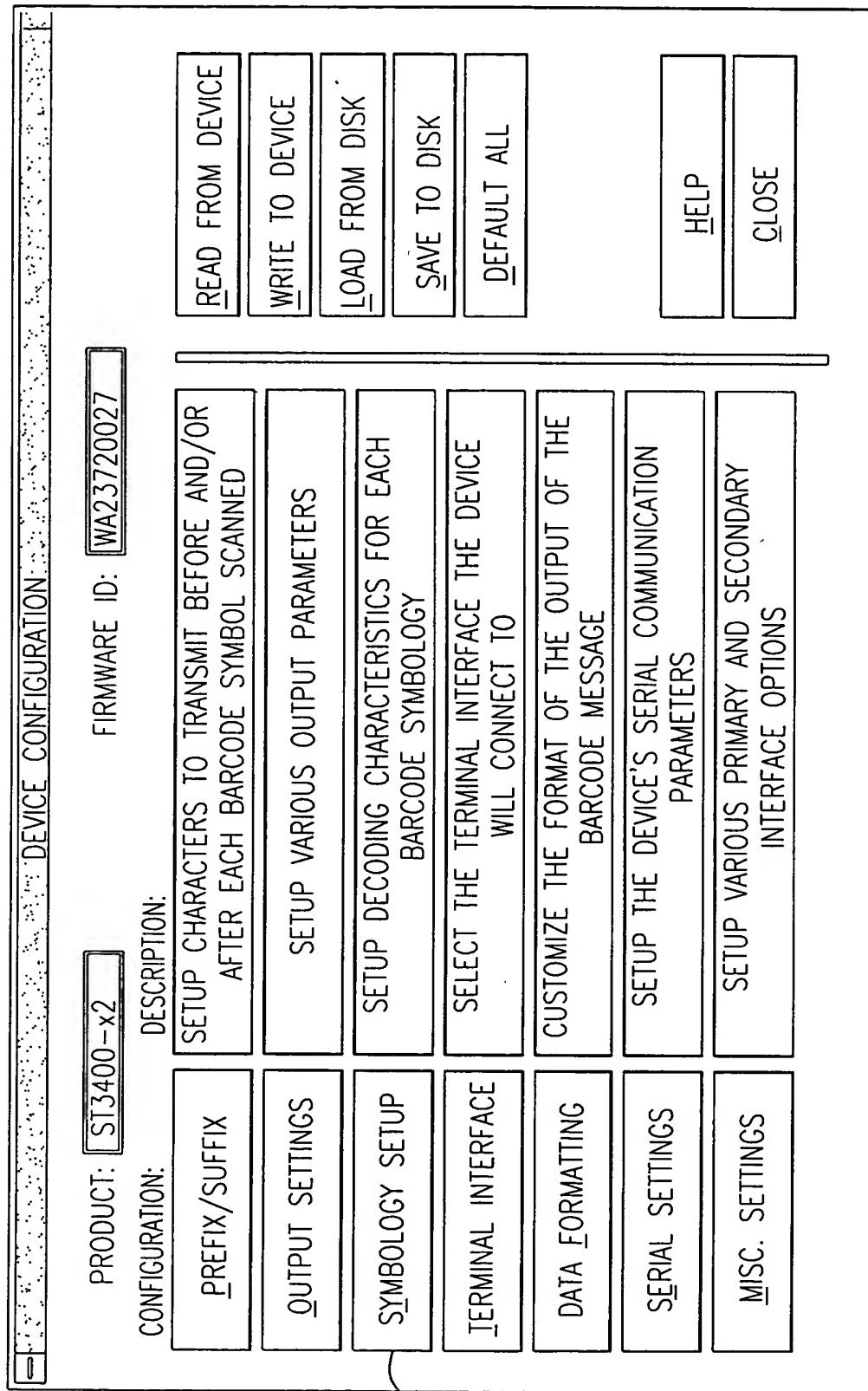


FIG.11D(2)



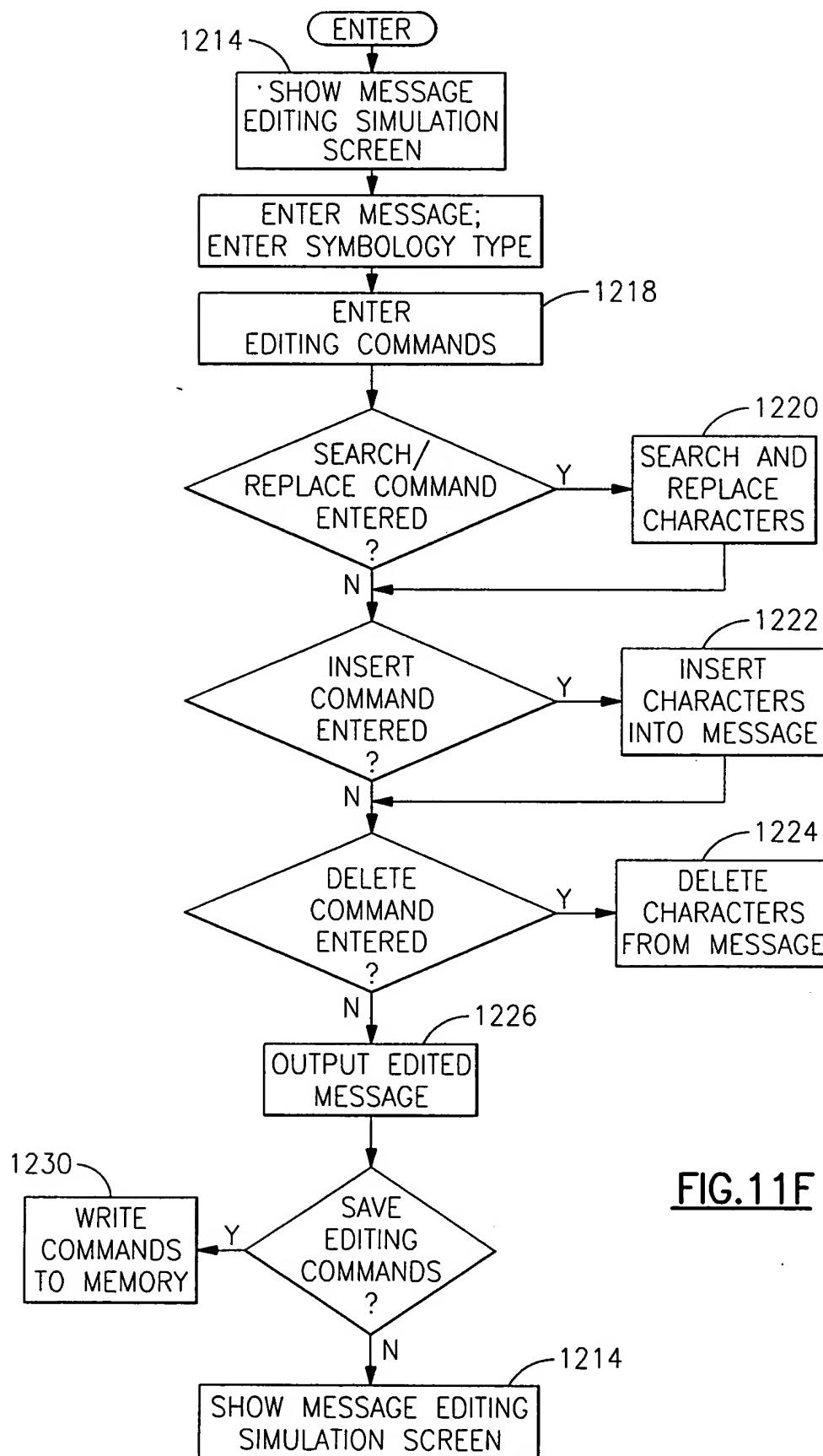


FIG.11F

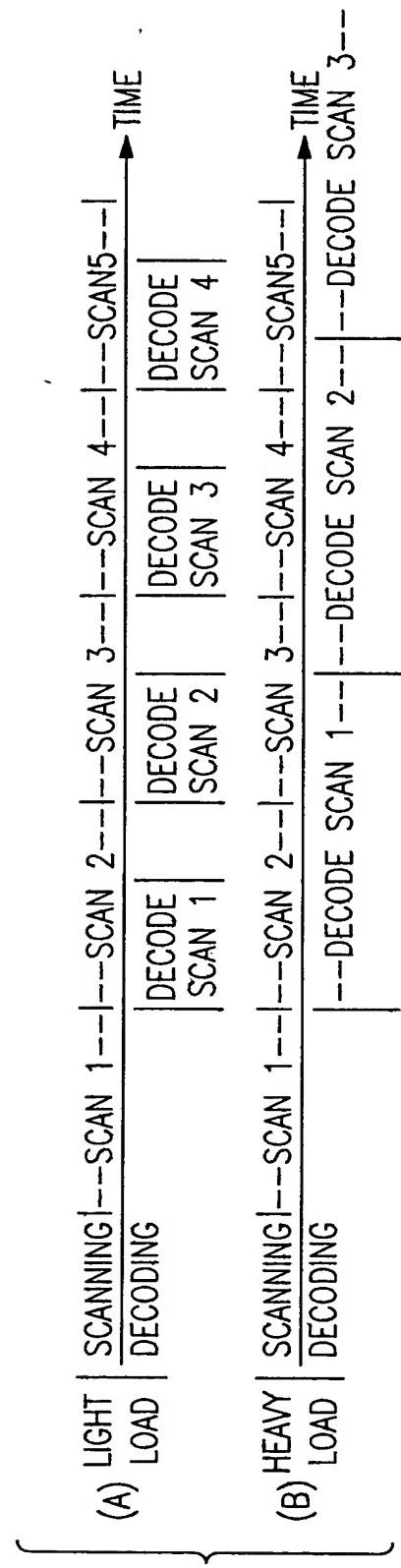


FIG. 12
Prior Art

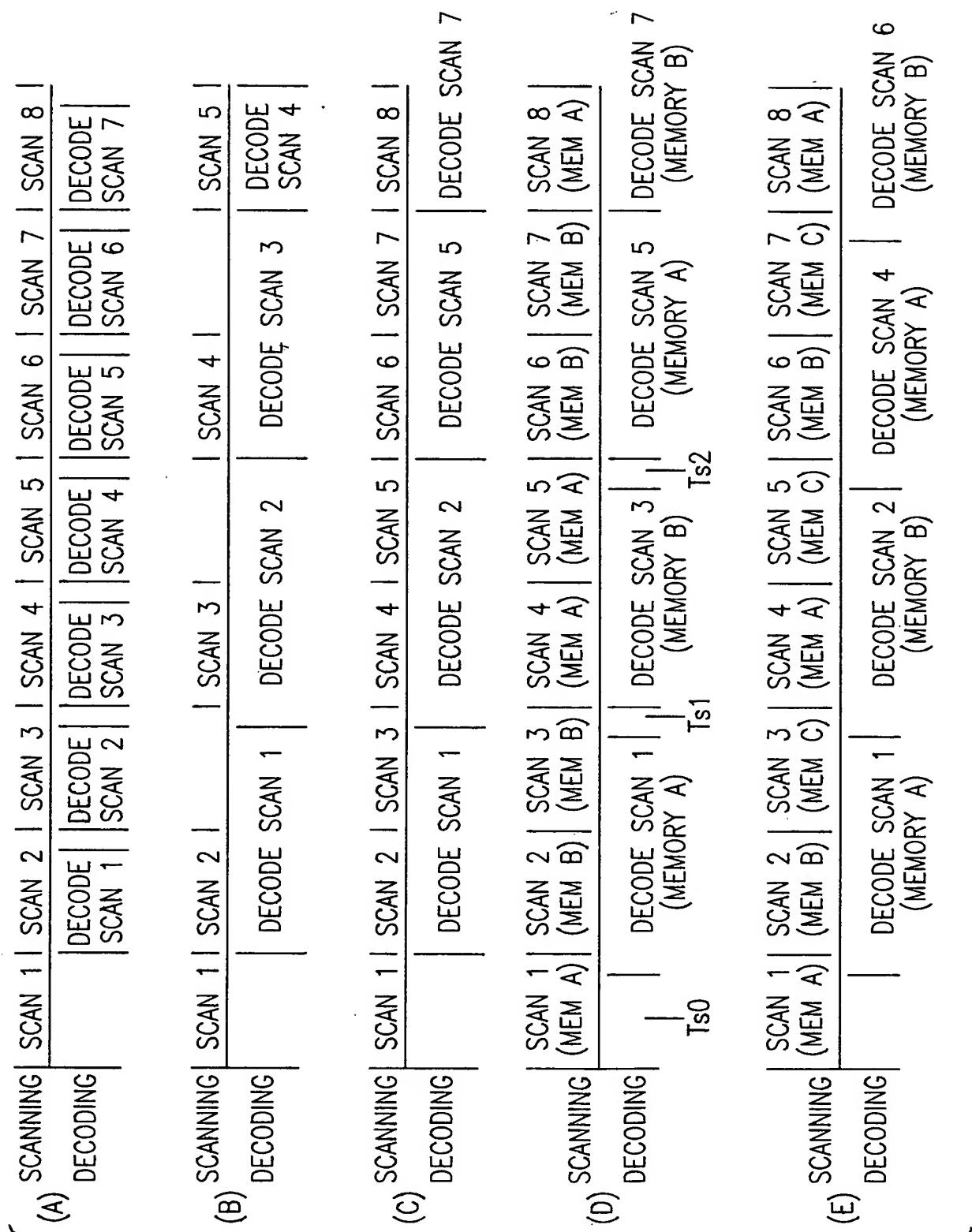
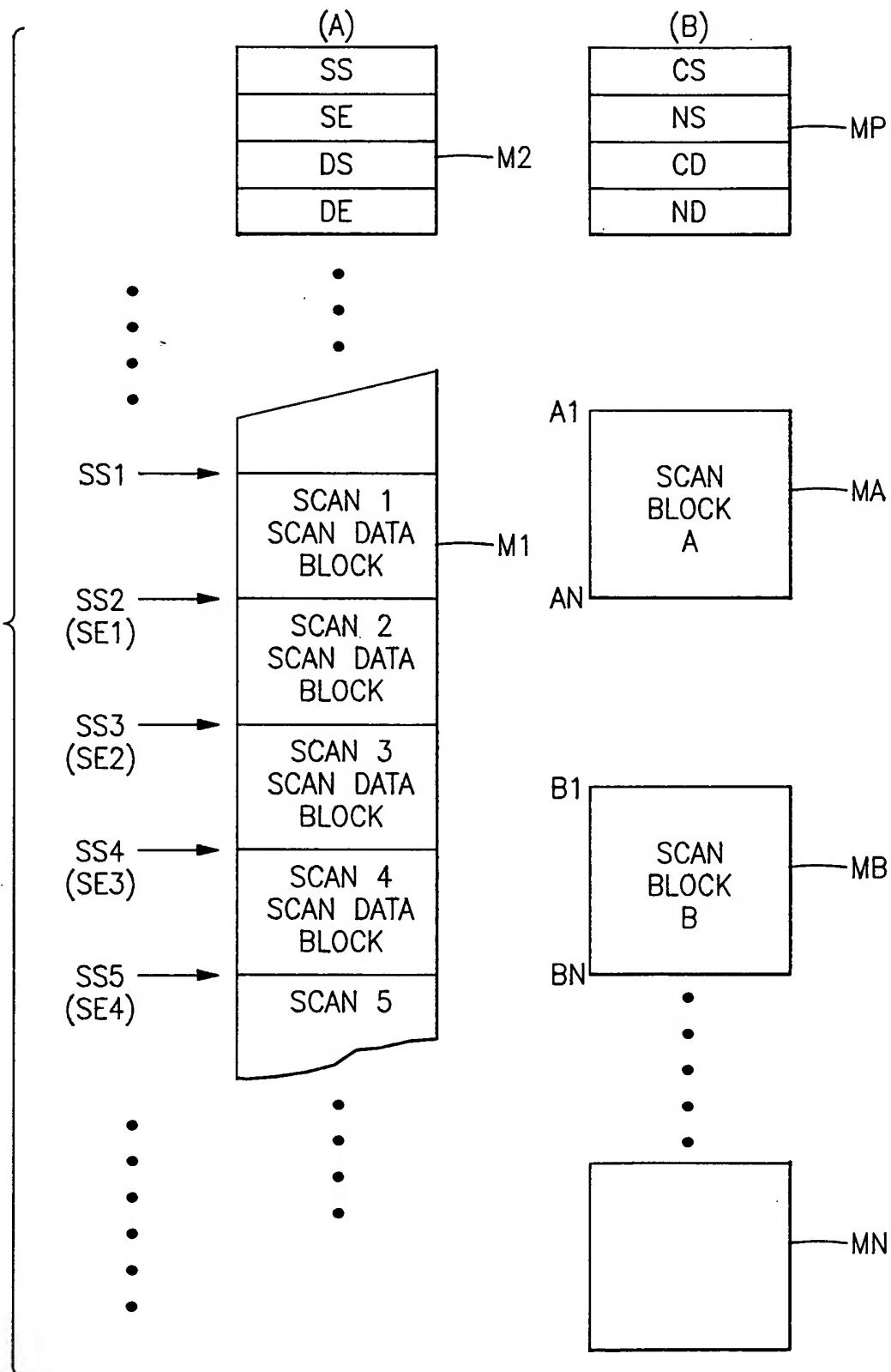


FIG.13

FIG.14



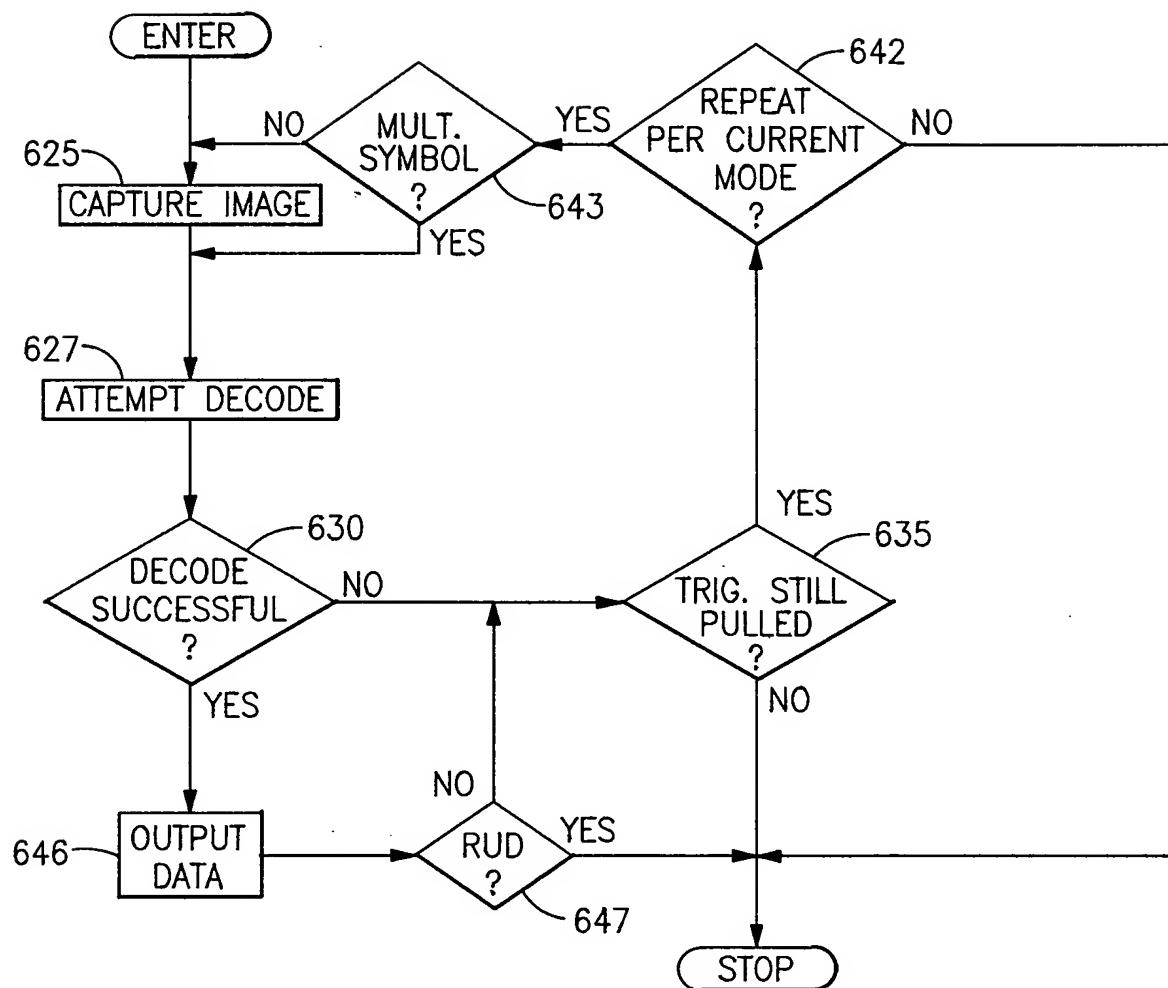
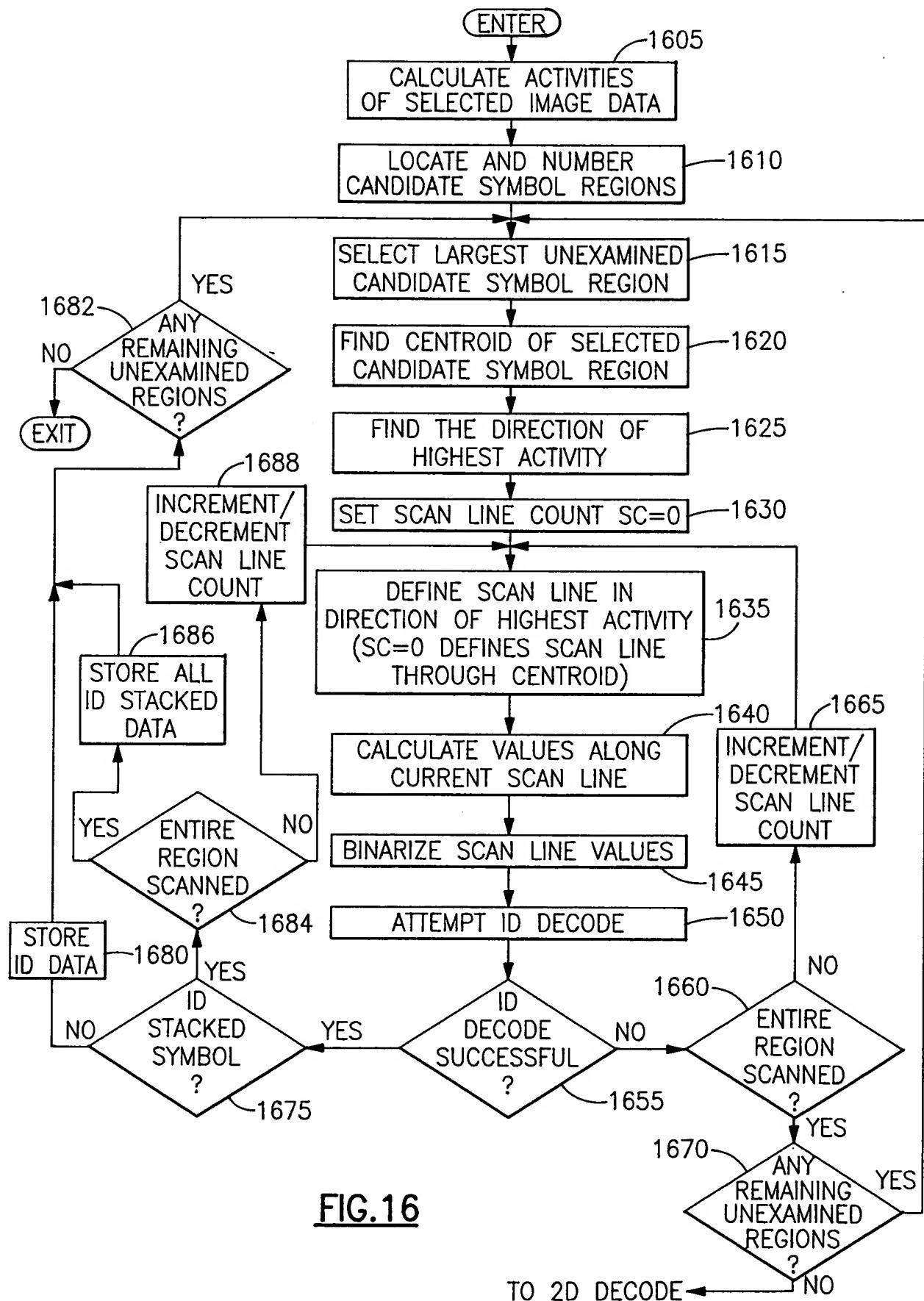
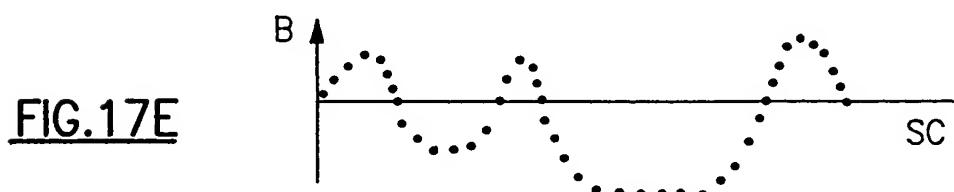
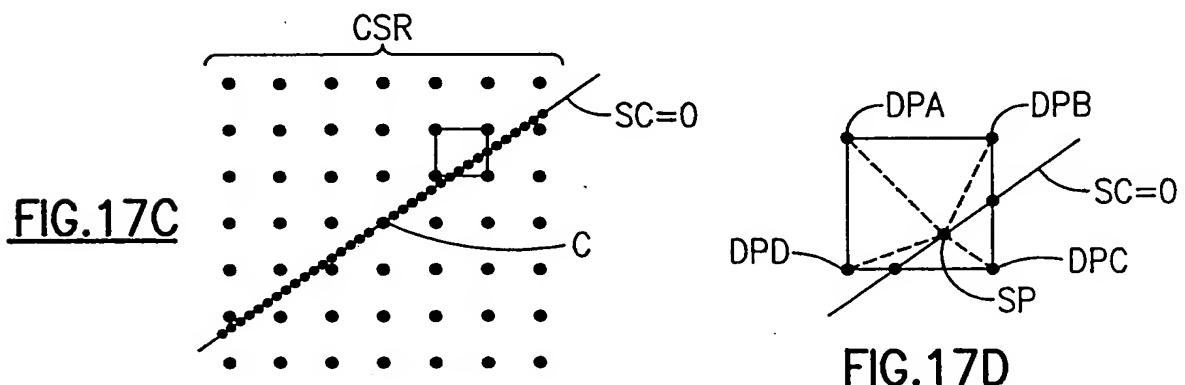
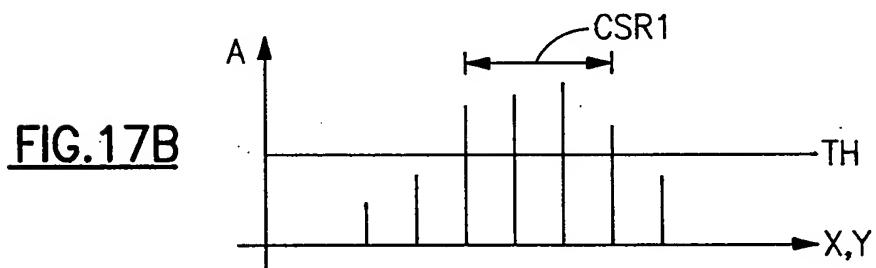
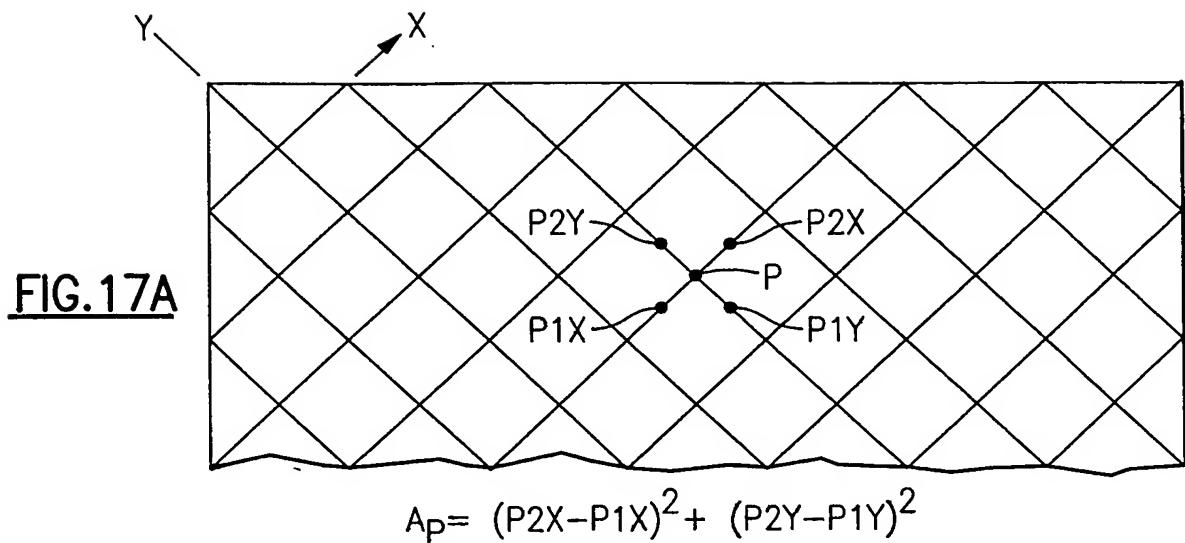


FIG.15





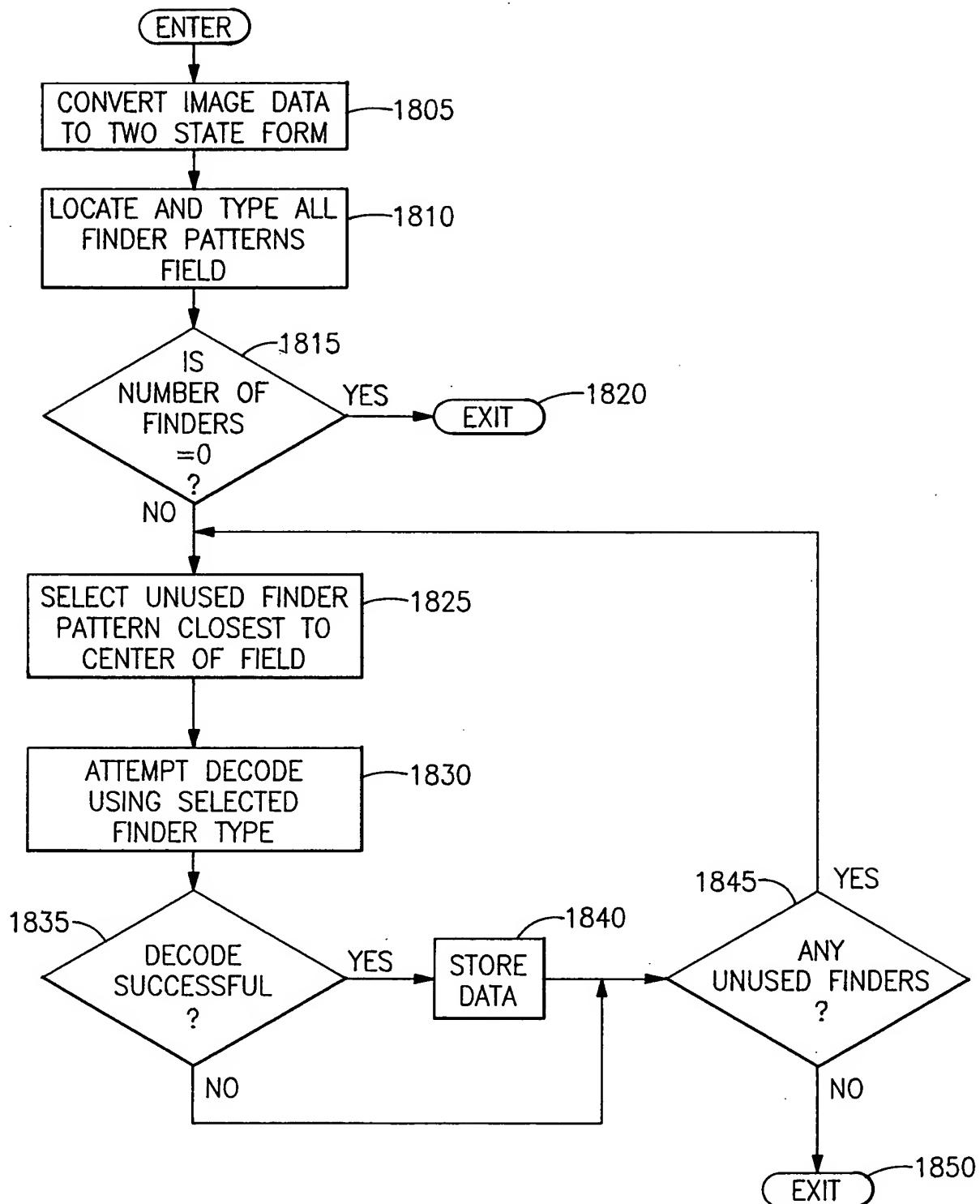


FIG. 18

Express Mail Label No. EV317007417 US
Andrew Longacre, Jr. et al.
For: Optical Reader Having Solid-State Image Sensor
Our Docket No.: 703-006.50.24
Telephone: (315) 425-9000



FIG.19A



FIG.19B



FIG.19C

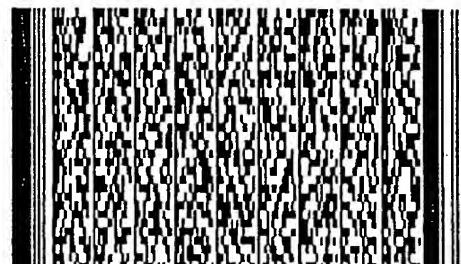


FIG.19D

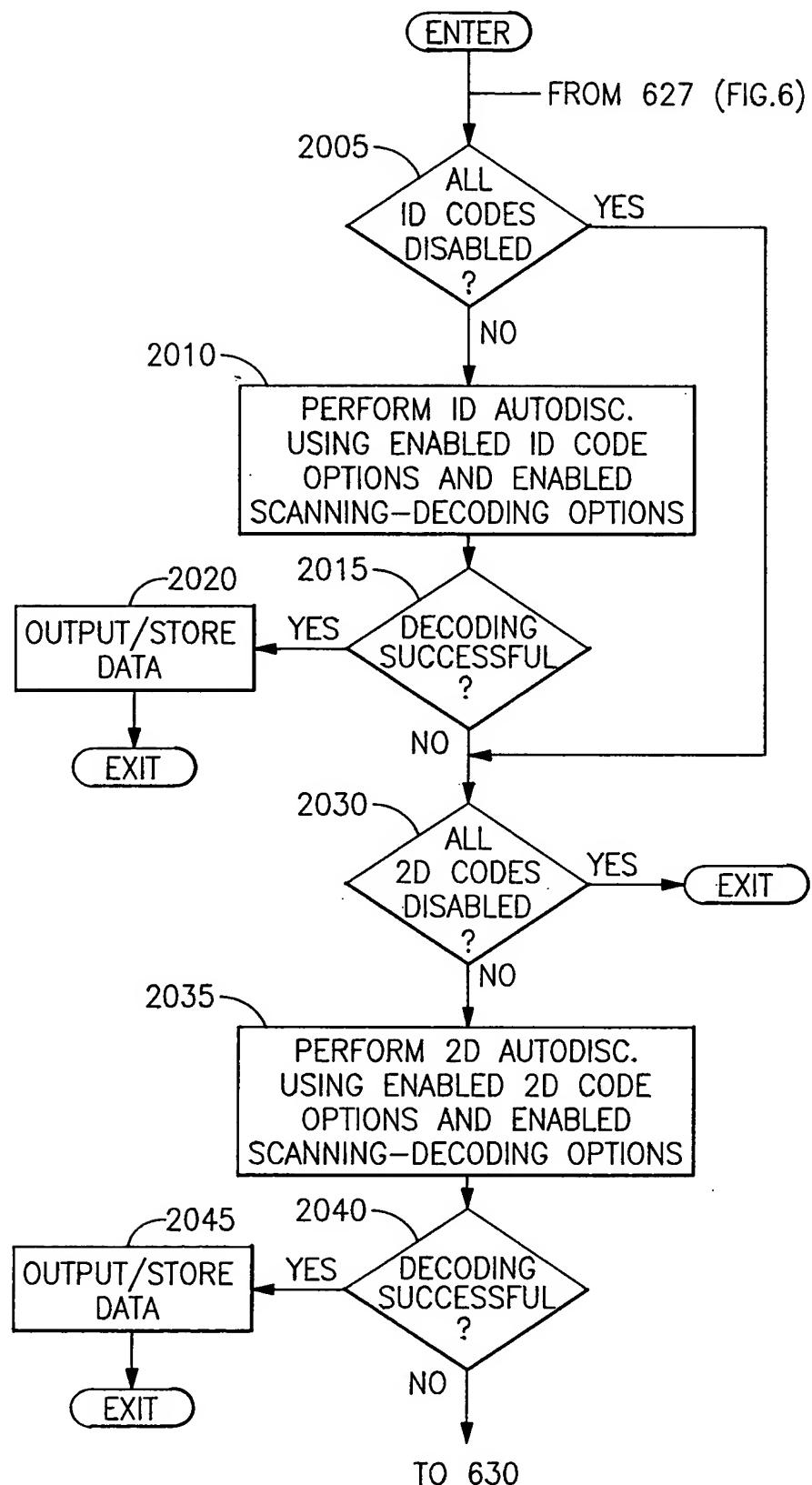
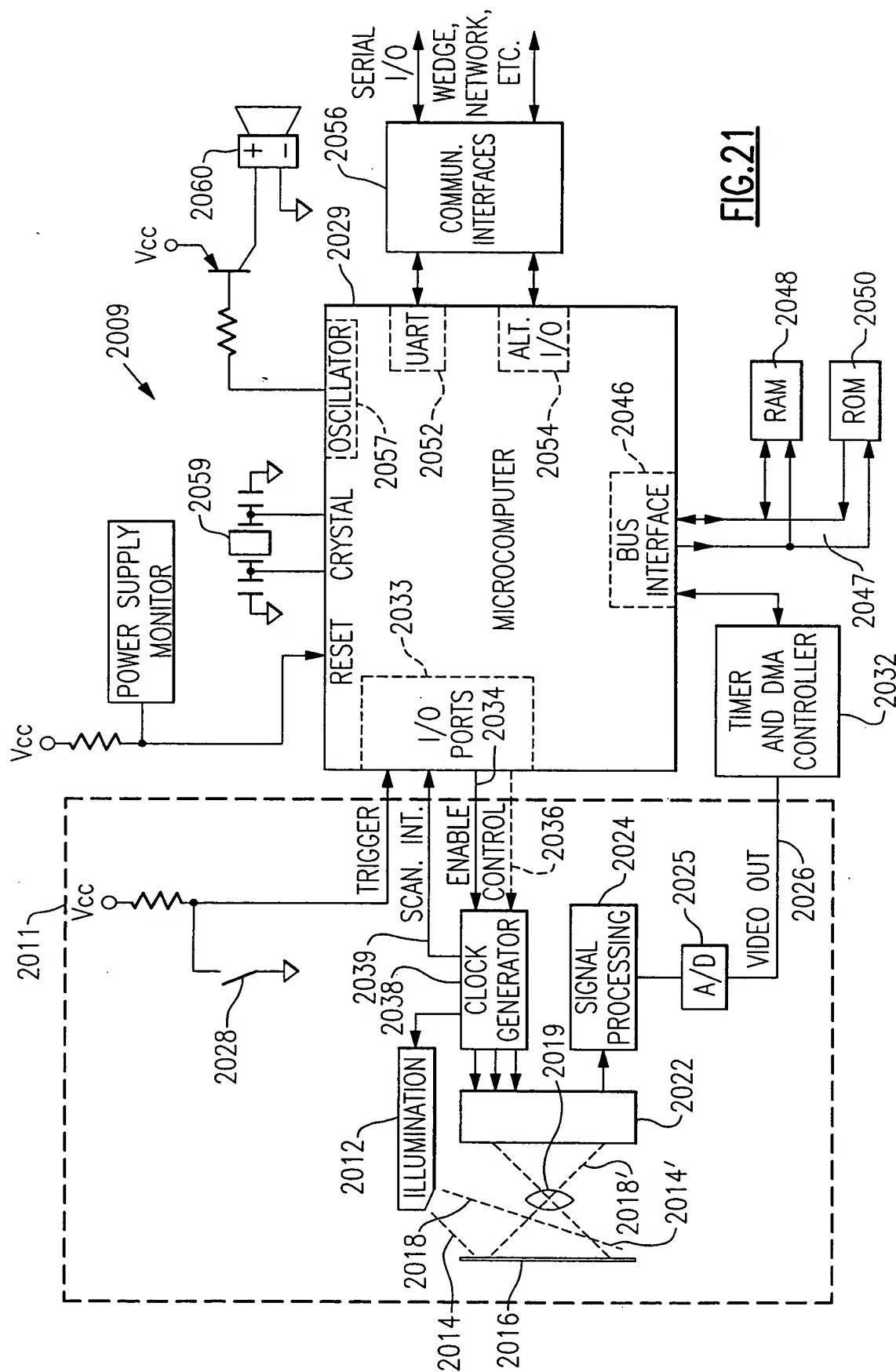
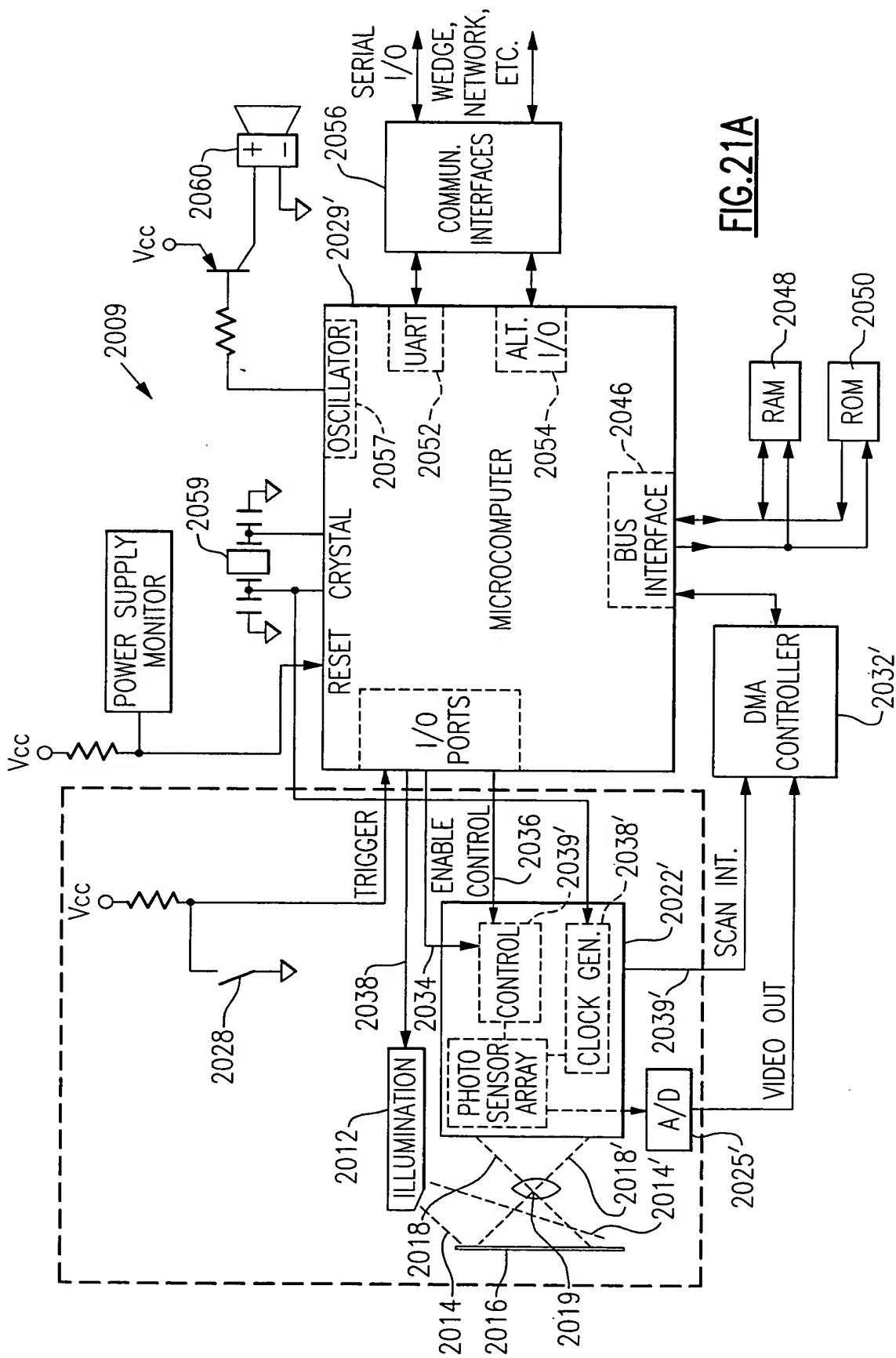


FIG.20





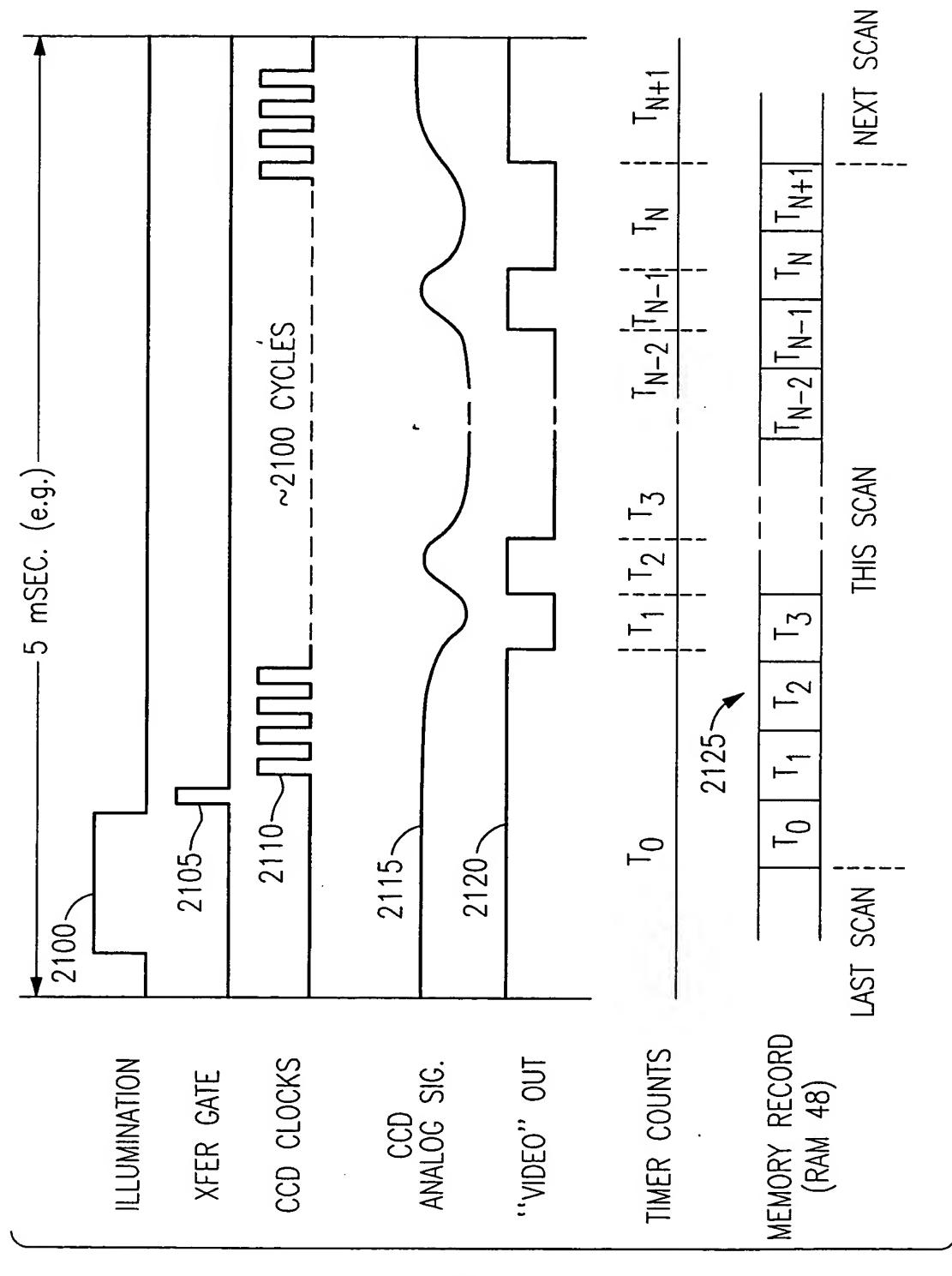


FIG.22

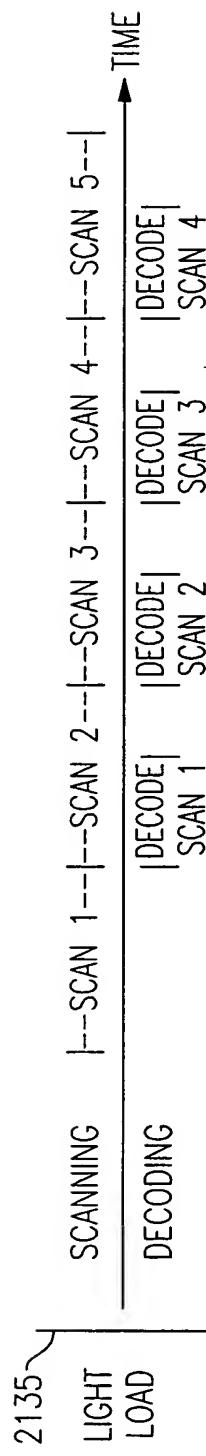


FIG. 23A
Prior Art

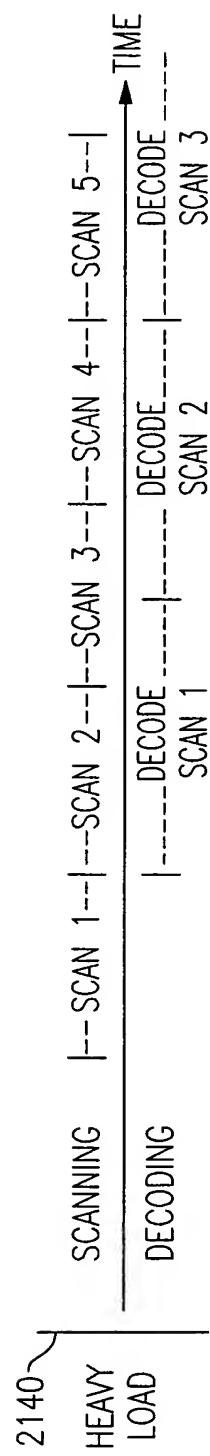


FIG. 23B
Prior Art

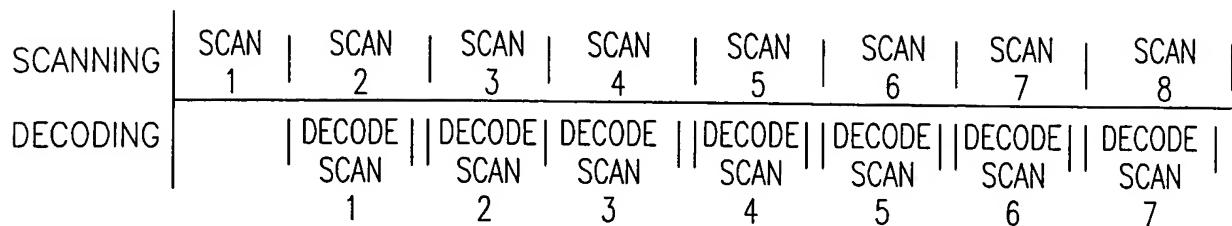


FIG.24A

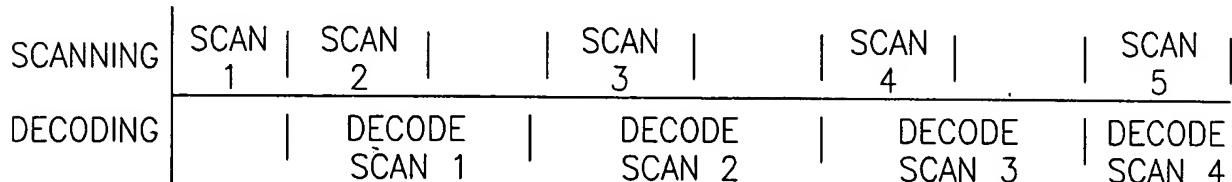


FIG.24B

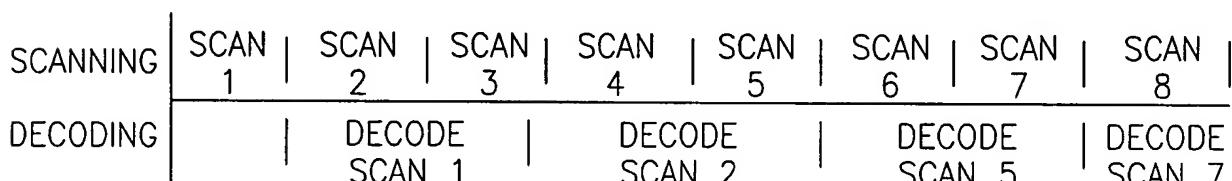


FIG.24C

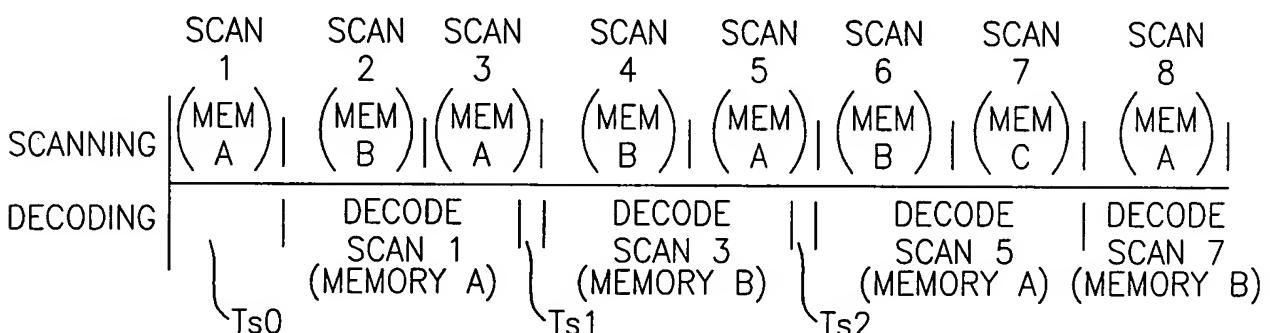


FIG.24D

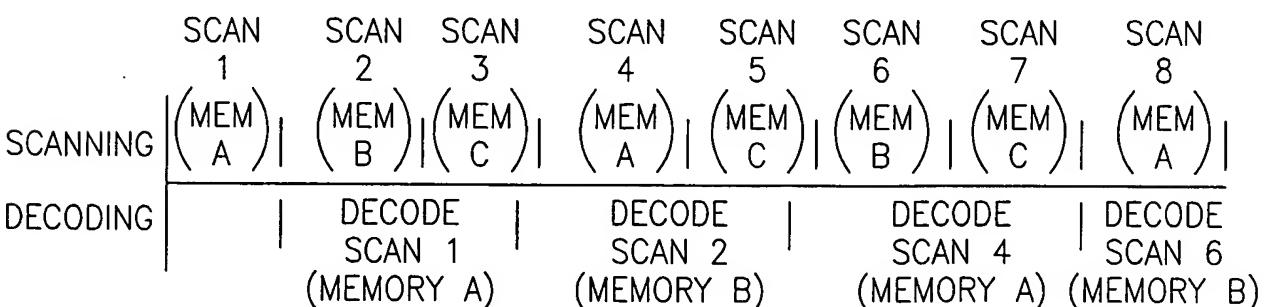


FIG.24E

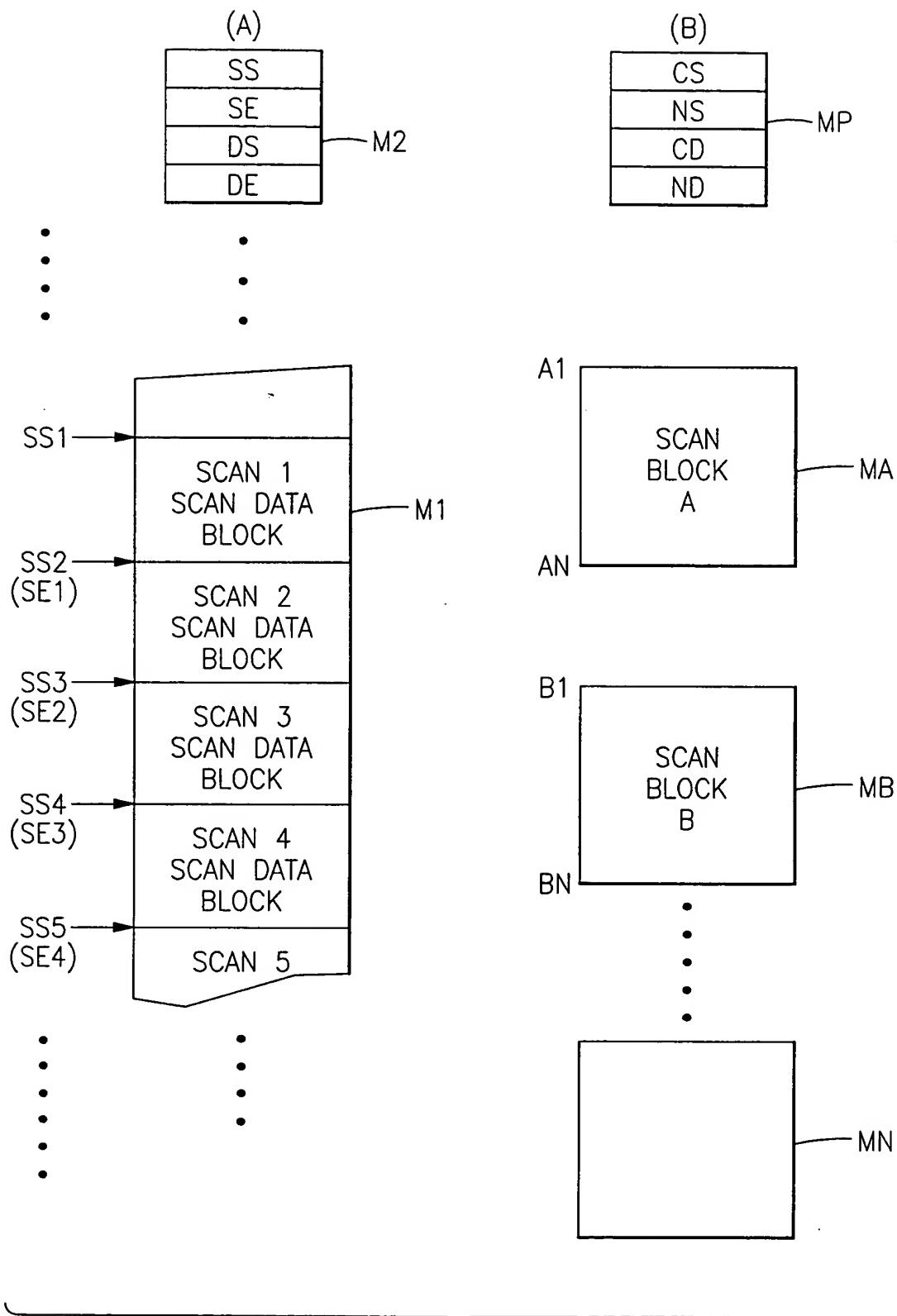


FIG.25

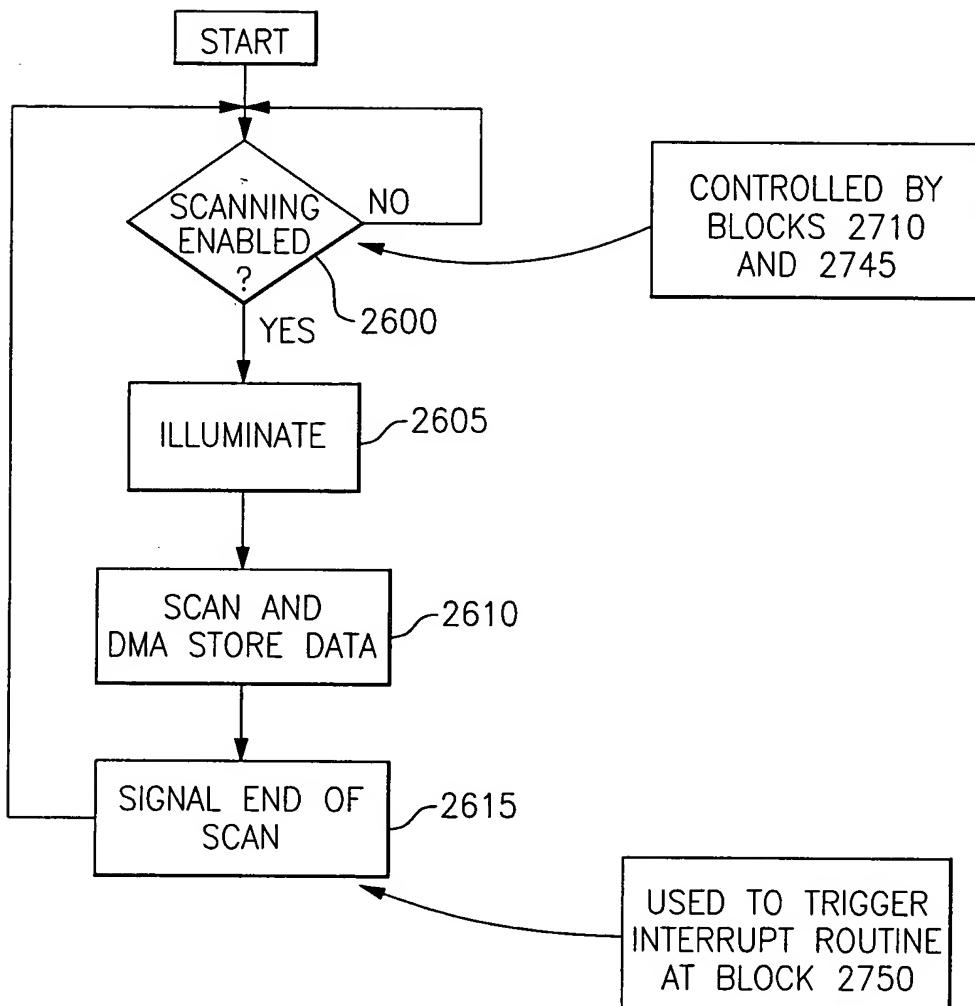


FIG.26

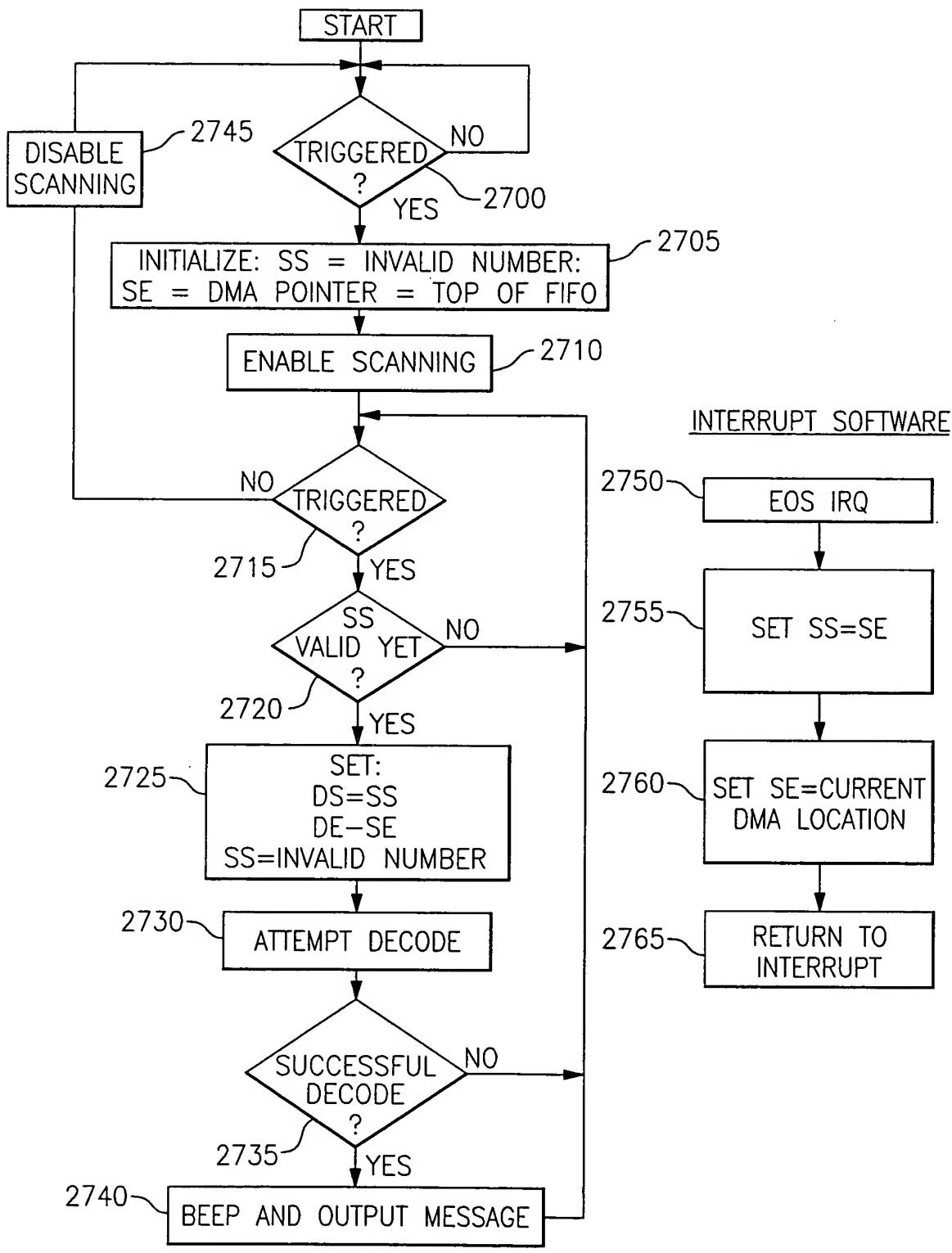


FIG.27

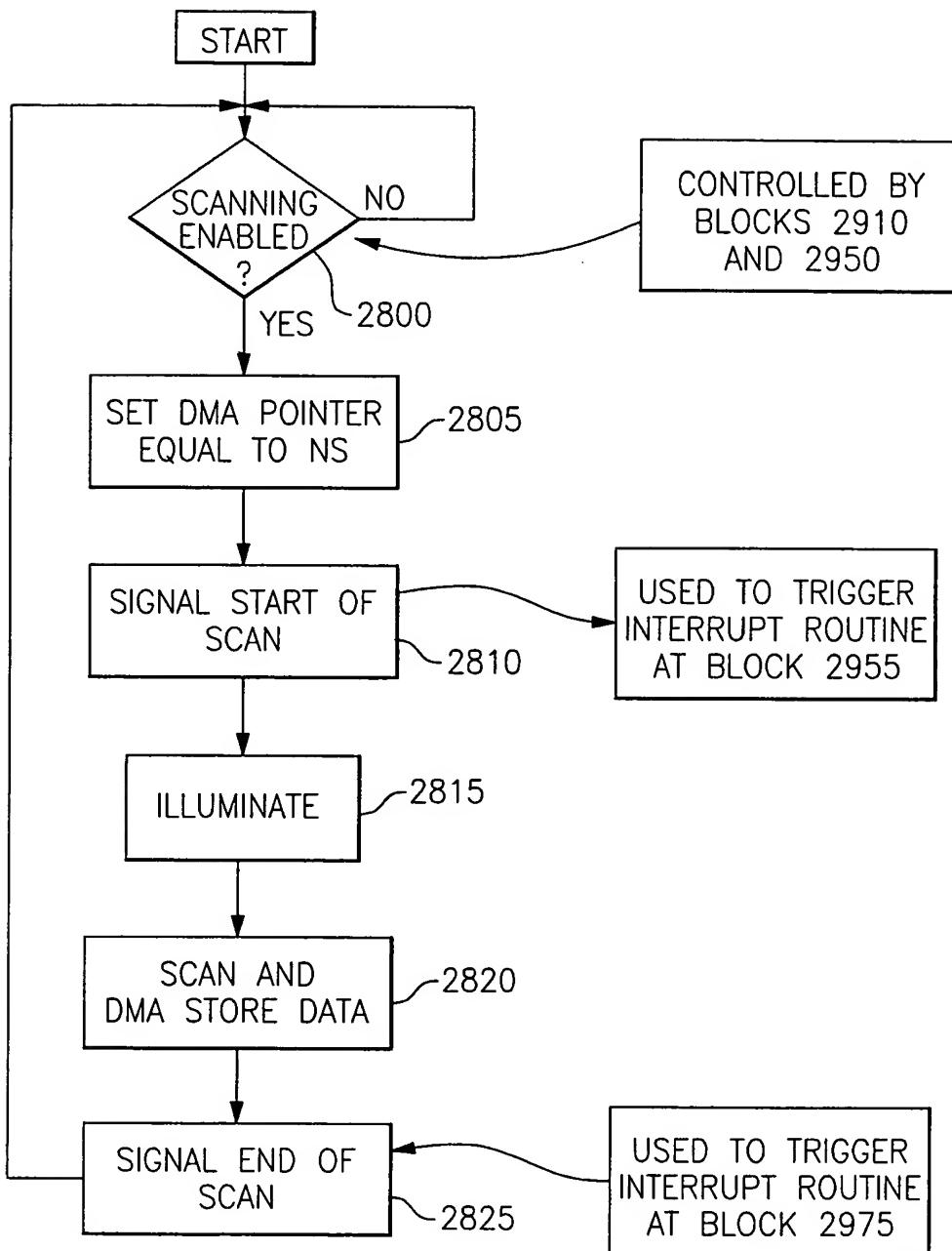


FIG.28

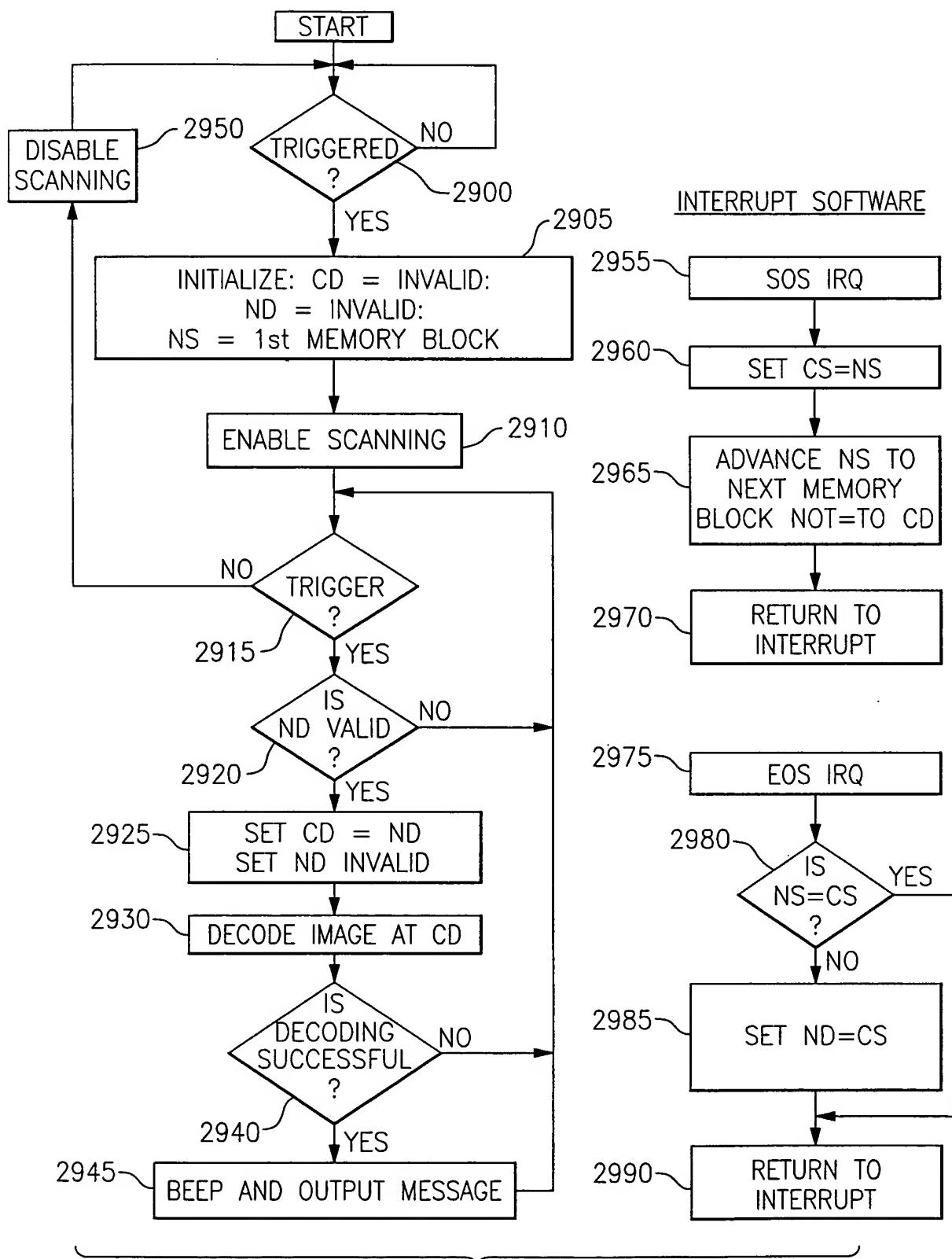


FIG.29

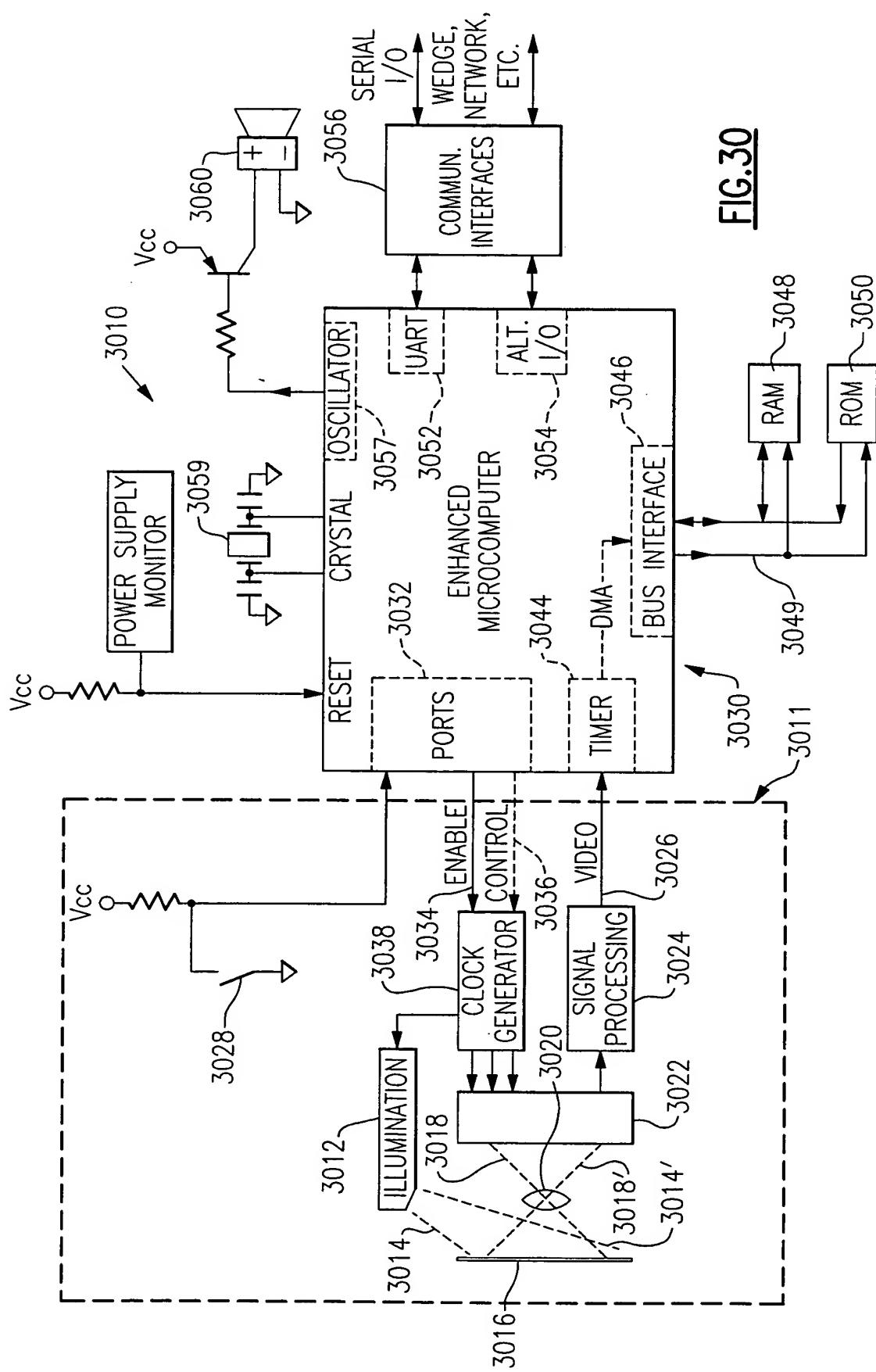


FIG. 30

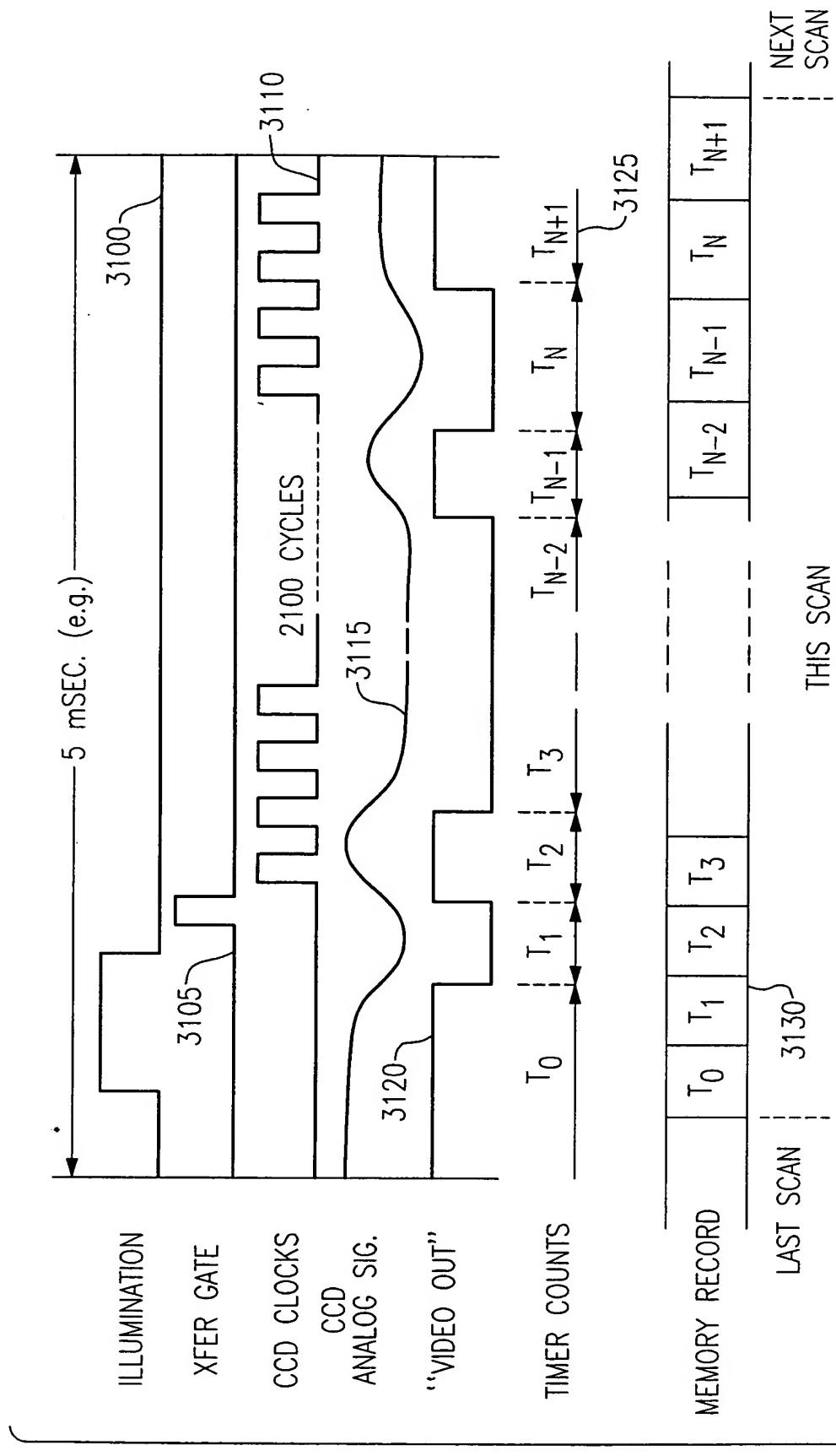


FIG.31

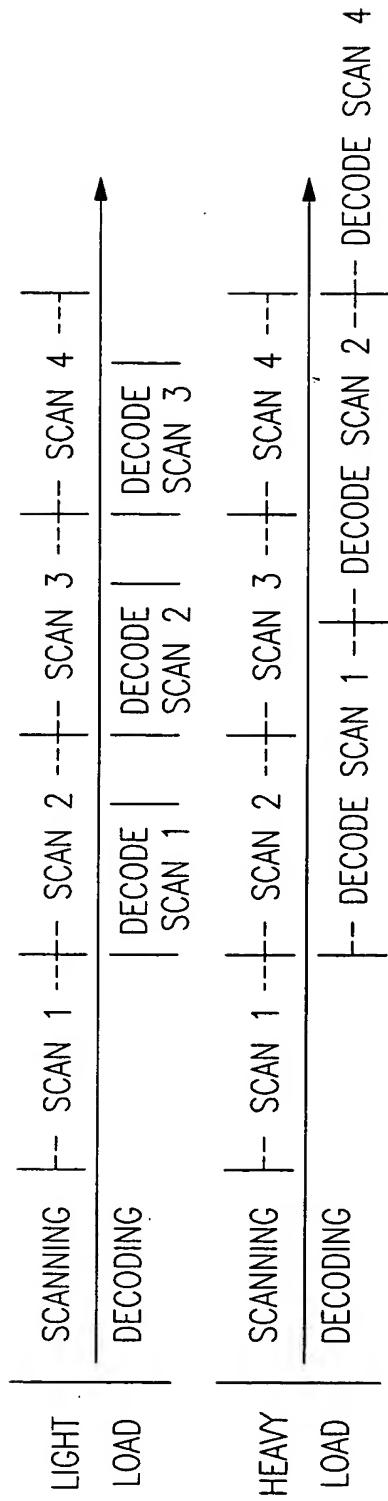


FIG.32A
Prior Art

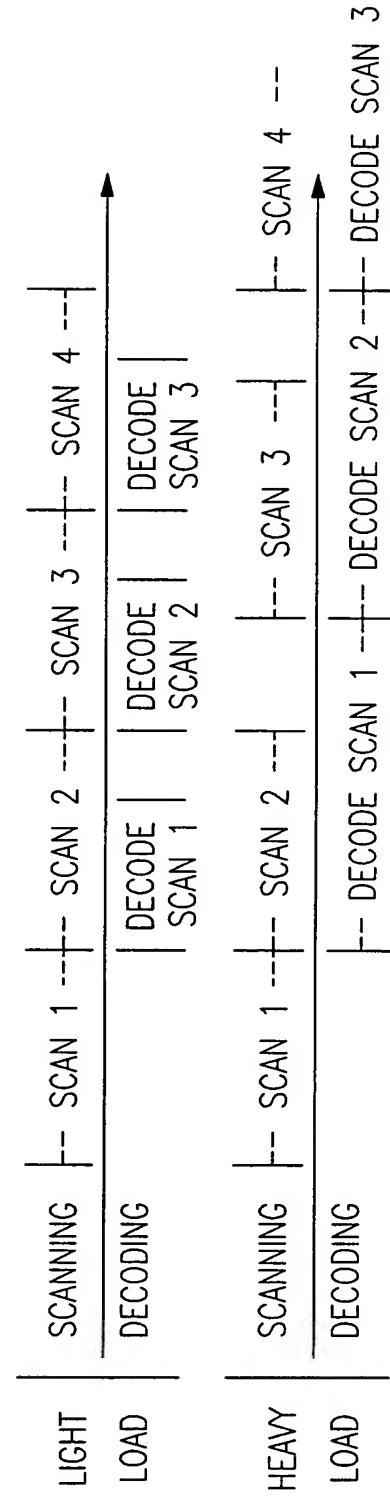
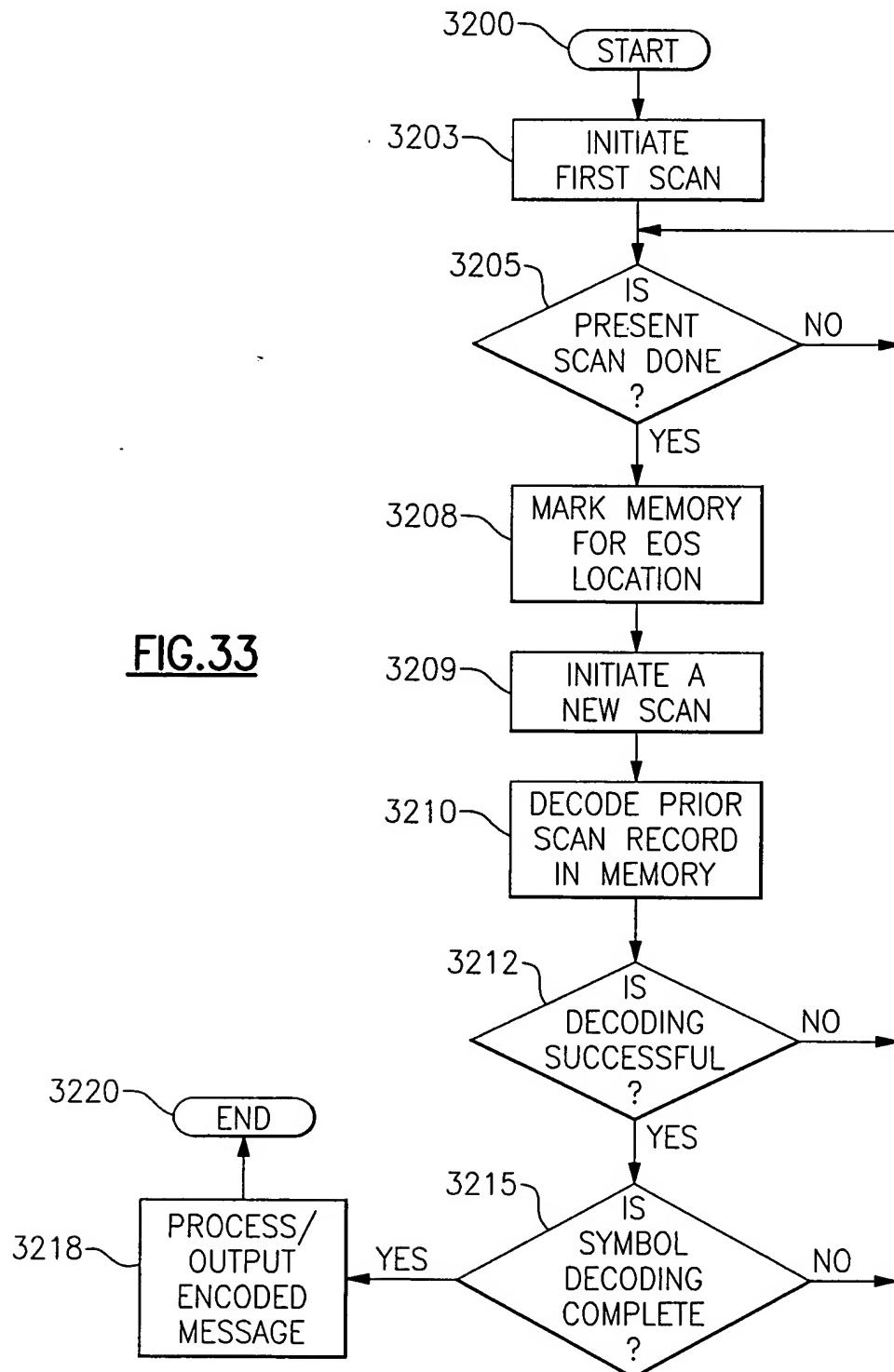


FIG.32B
Prior Art



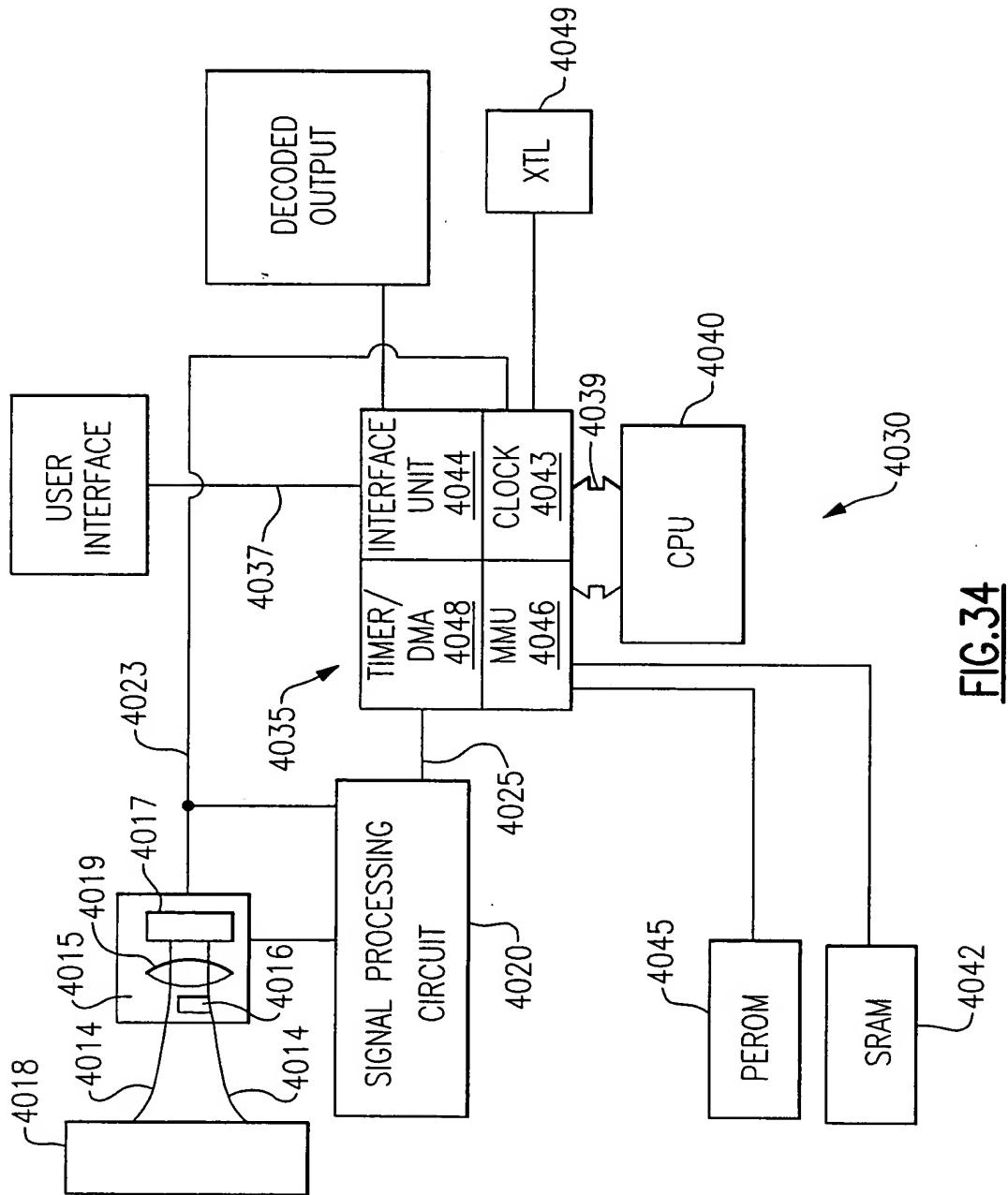


FIG.34

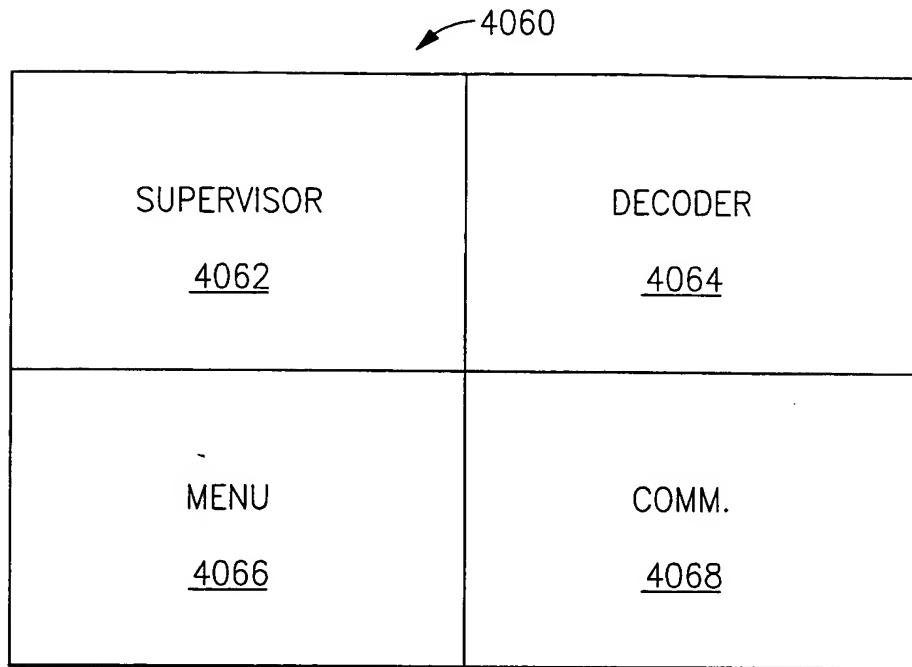


FIG.35

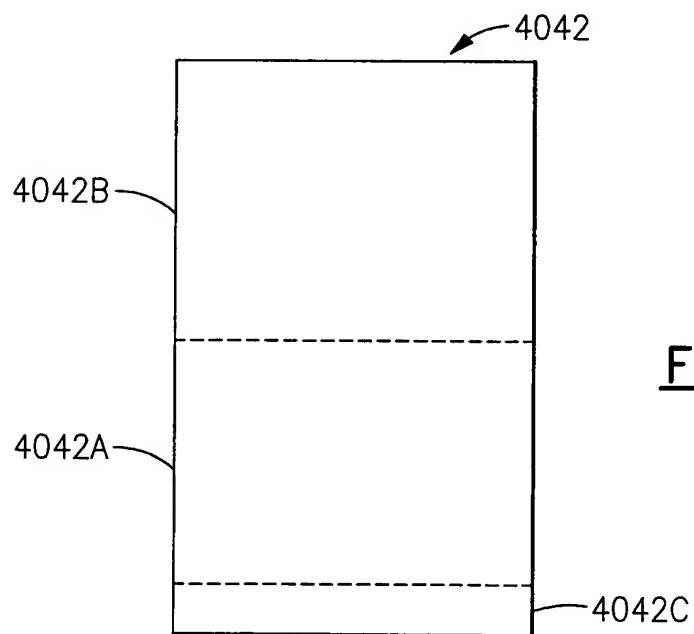


FIG.36

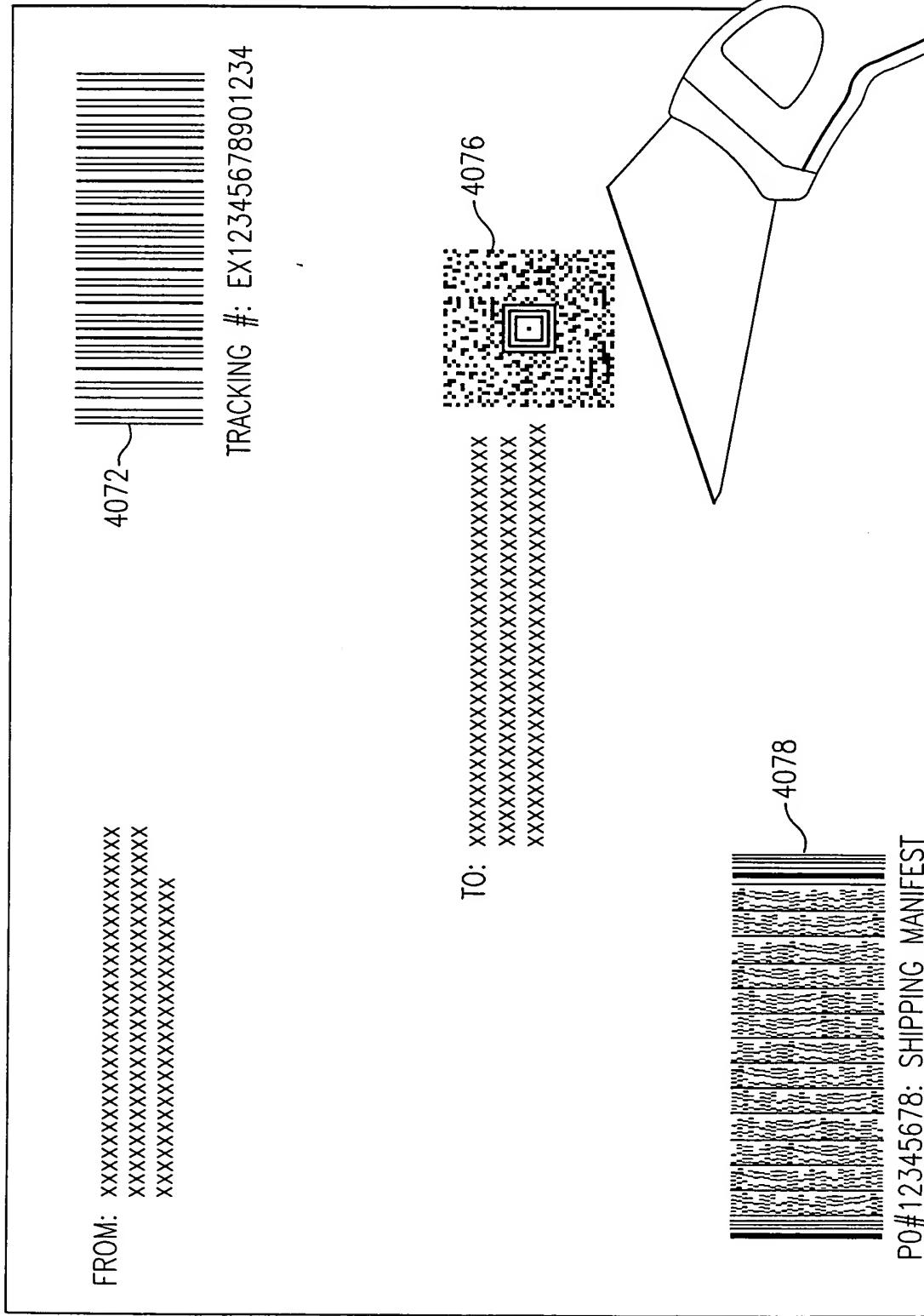


FIG.38-1

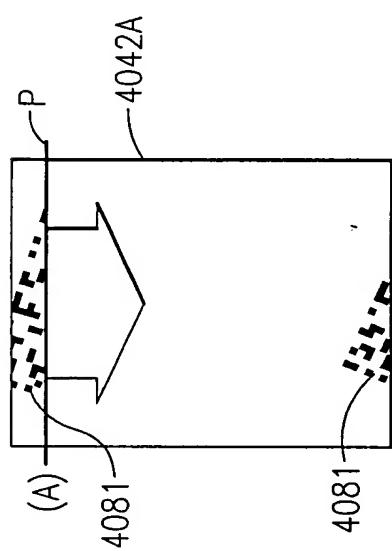


FIG.38-2

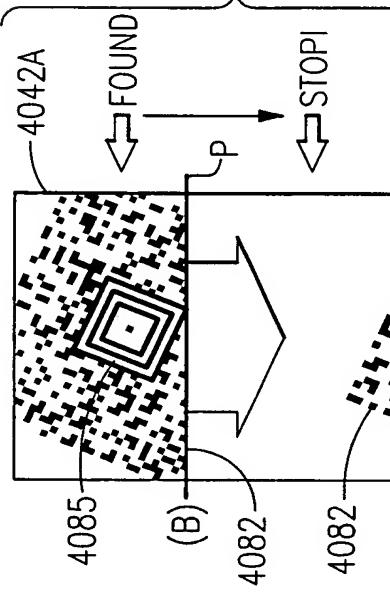
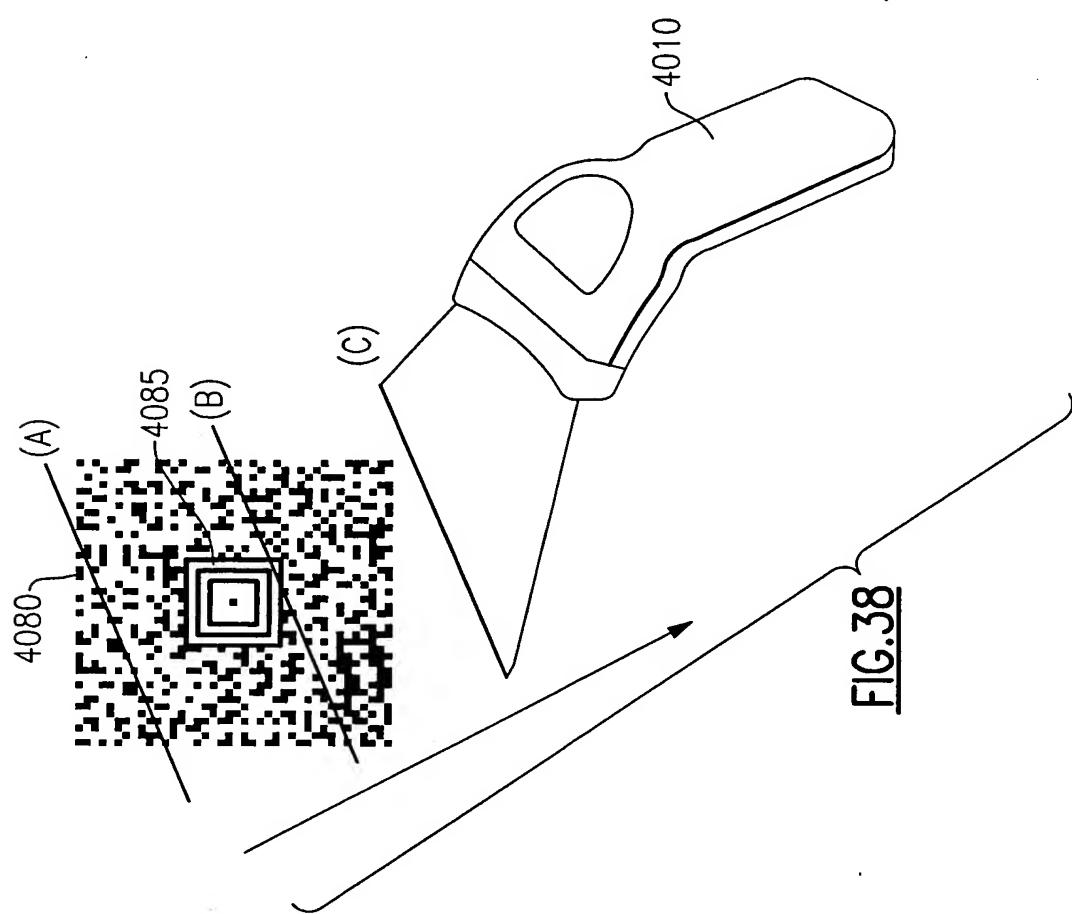
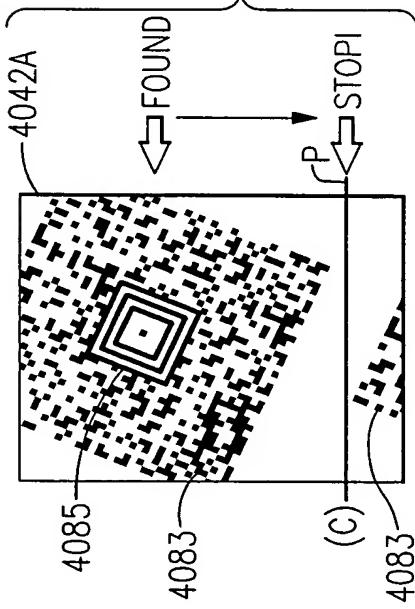
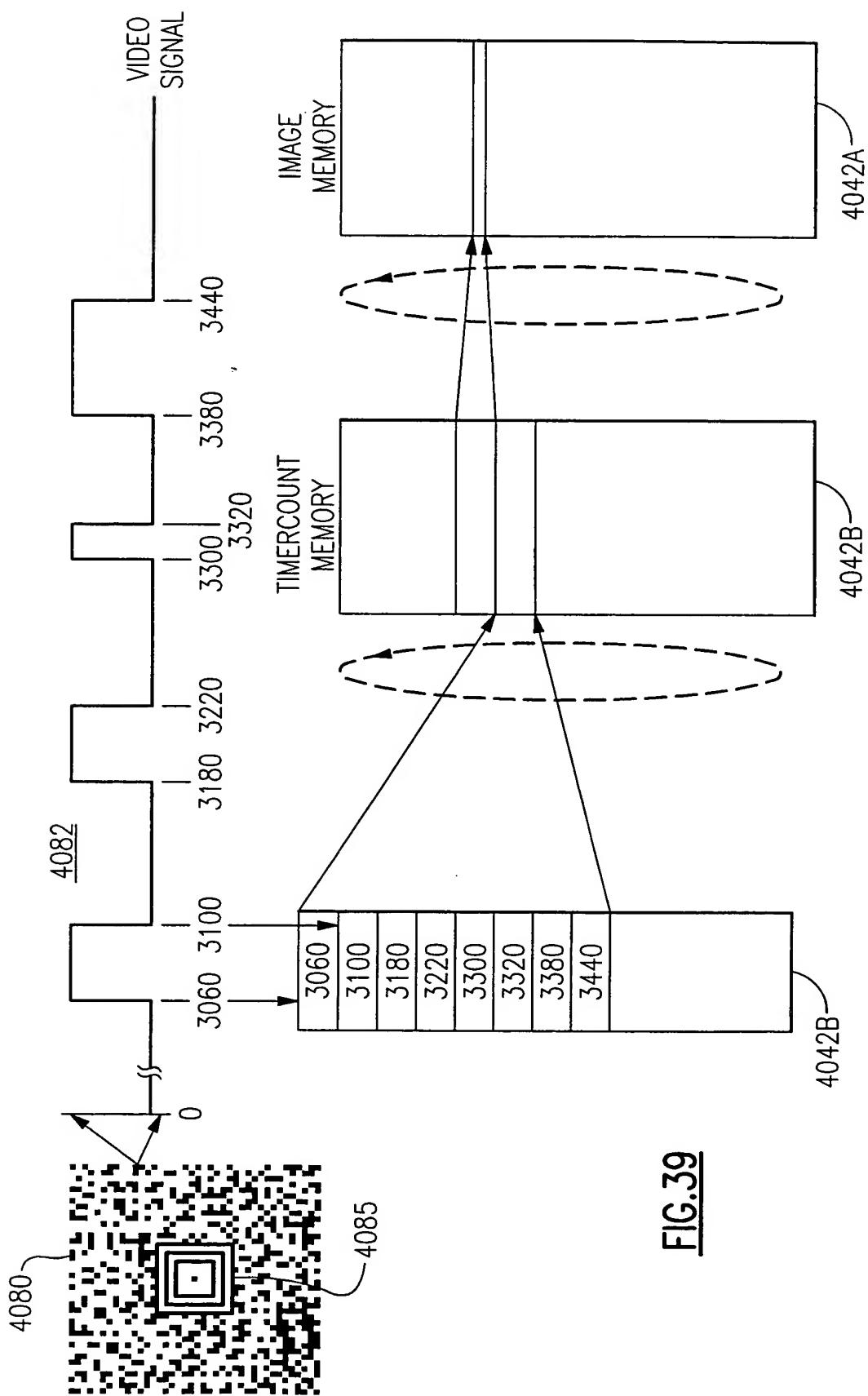


FIG.38-3





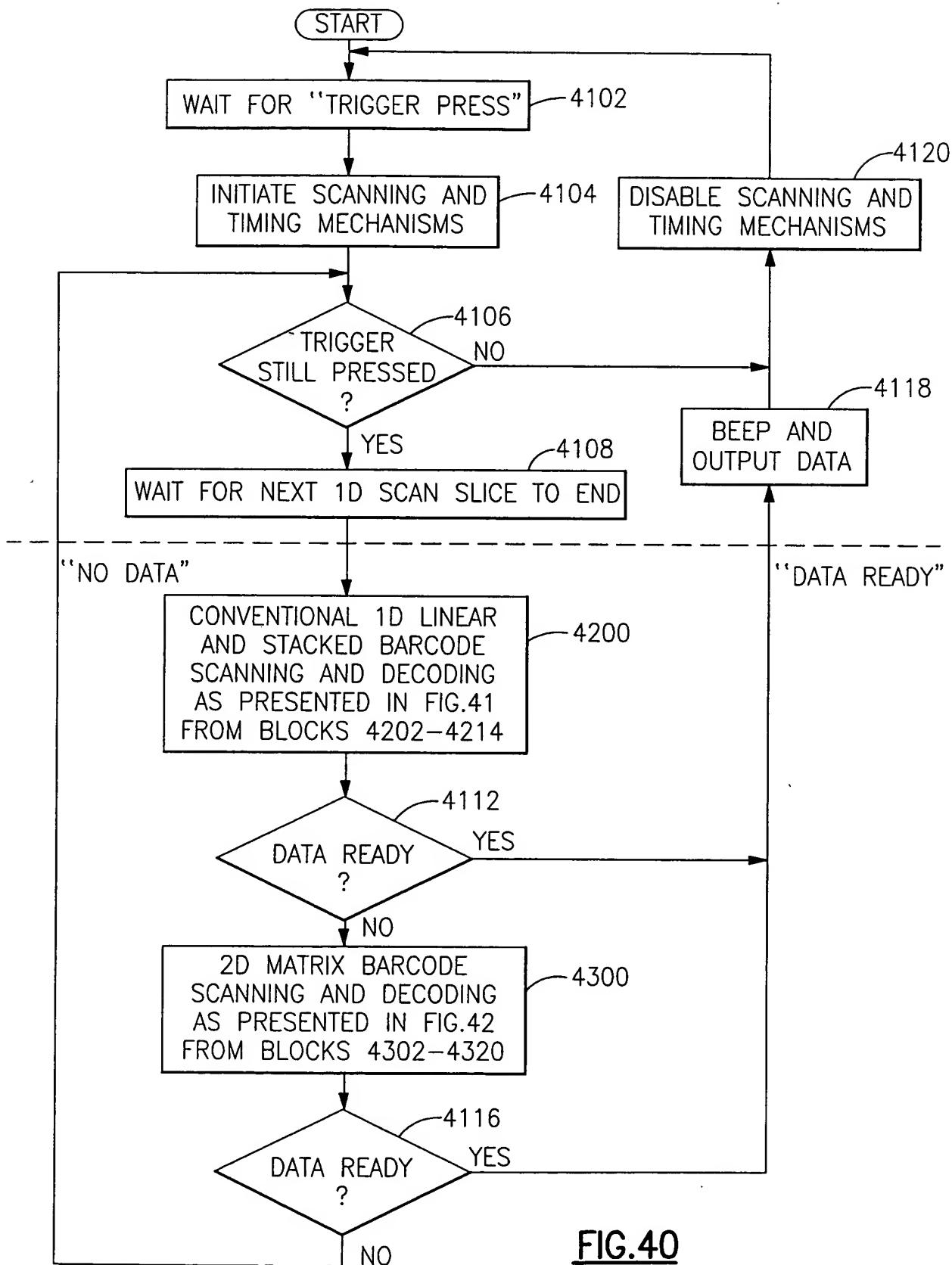


FIG.40

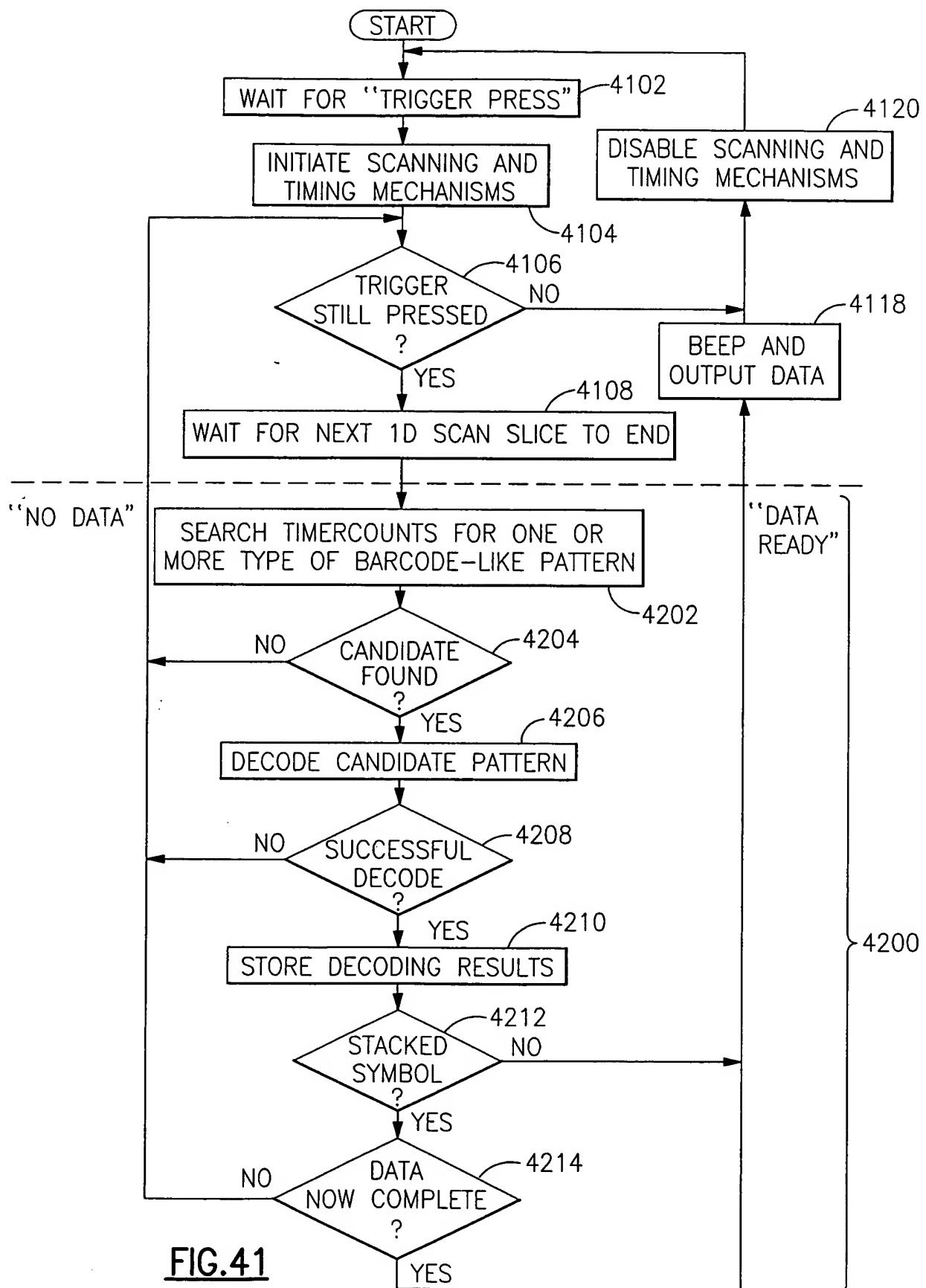


FIG.41

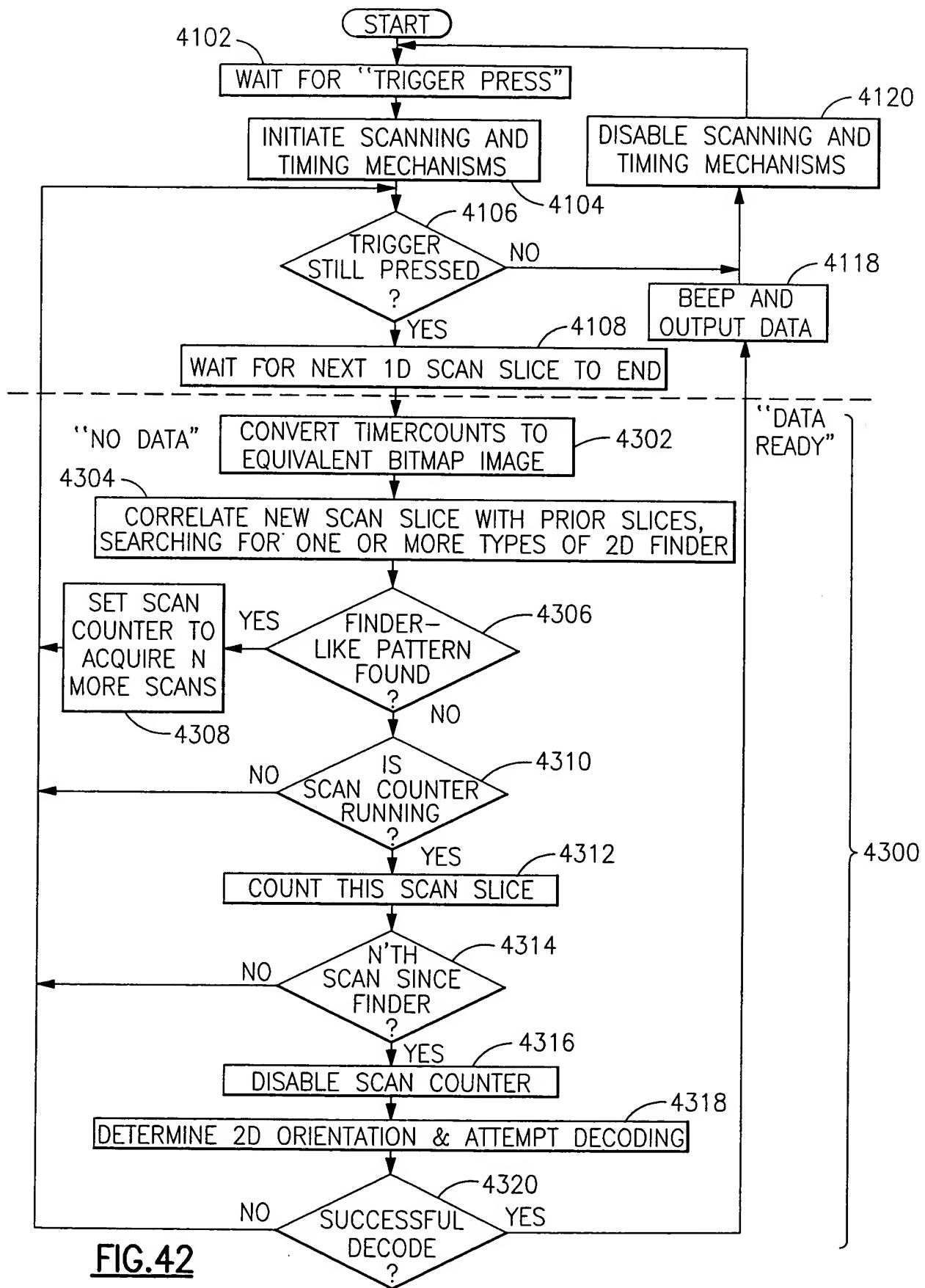
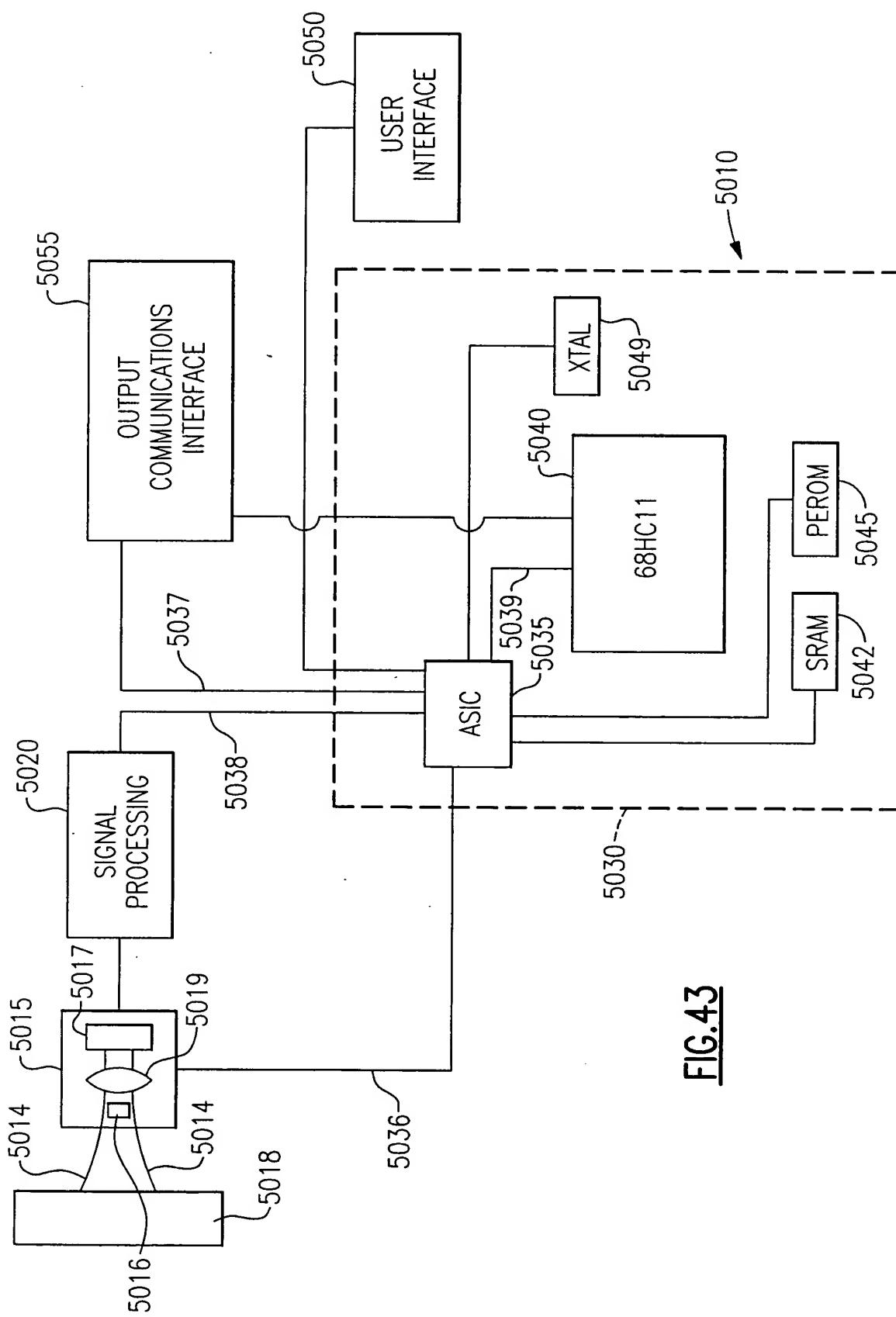


FIG.42



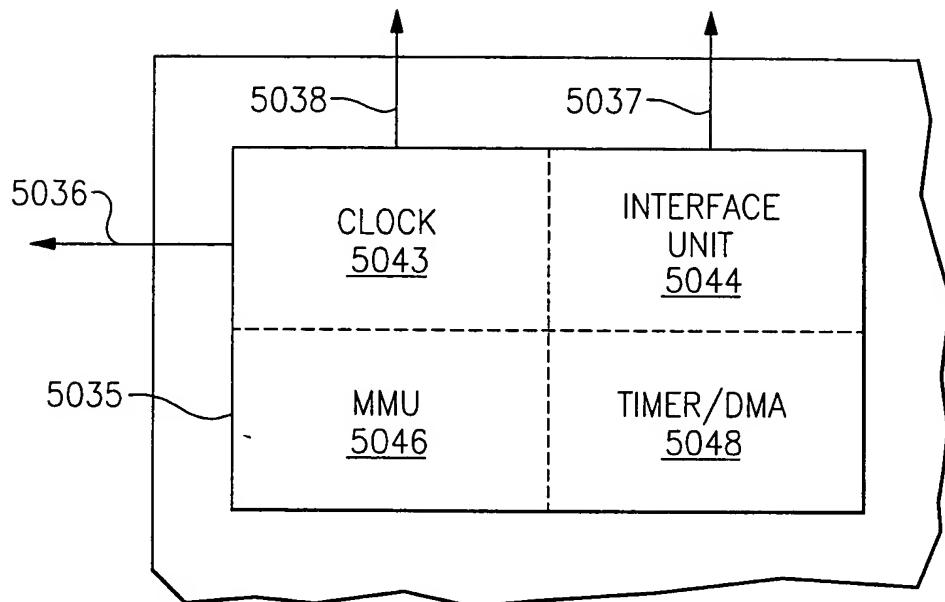


FIG.44

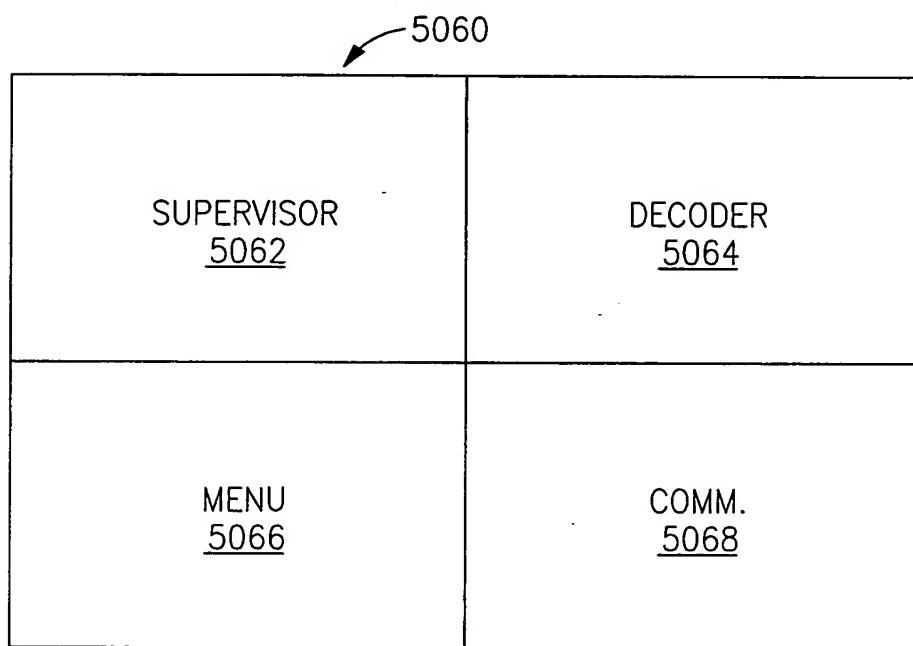


FIG.45

FIG. 46

EC LEVEL 4

5500

400 CHARACTERS

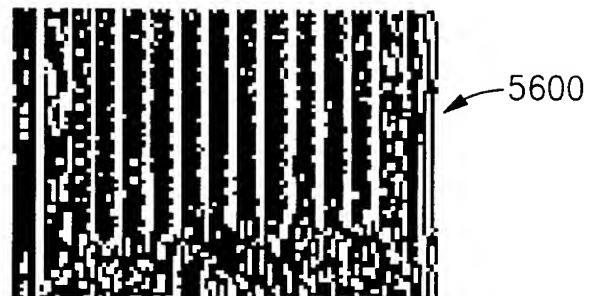
5510

The diagram shows a barcode with vertical lines of varying widths. Above the barcode, the text "EC LEVEL 4" is centered. To the right of the barcode, an arrow points to the text "5500". Below the barcode, the text "400 CHARACTERS" is centered. To the left of the barcode, an arrow points to the text "5510". At the bottom of the diagram, there is a series of approximately 5500 characters, all of which are the letter 'A', followed by a single 'Z' at the end.

FIG.47

Express Mail Label No. EV317007417 US
Andrew Longacre, Jr. et al.
For: Optical Reader Having Solid-State Image Sensor
Our Docket No.: 703-006.50.24
Telephone: (315) 425-9000

EC LEVEL 6



800 CHARACTERS

-5610

FIG. 48

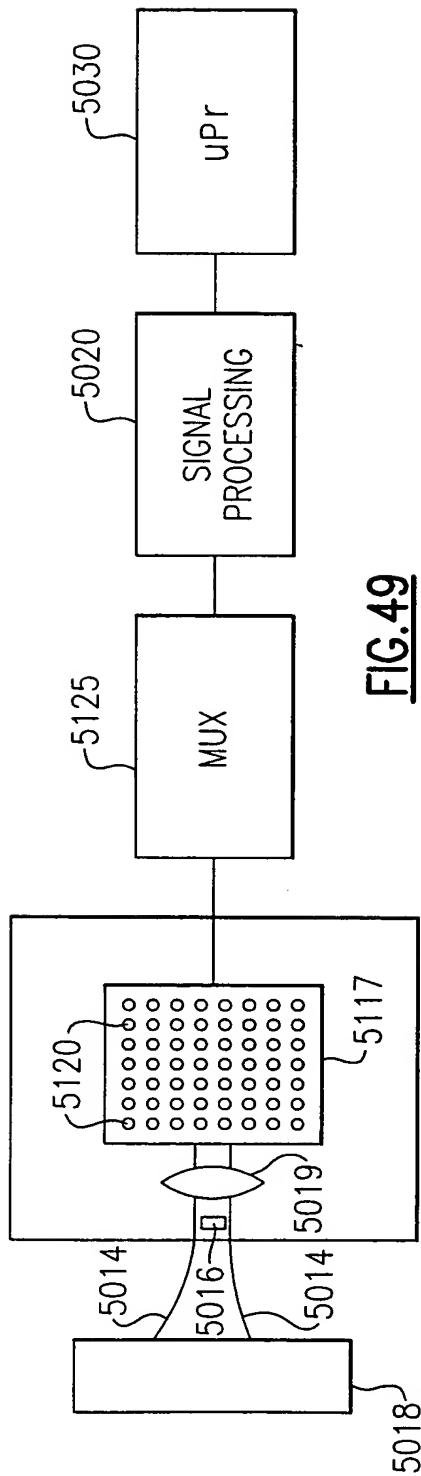


FIG.49

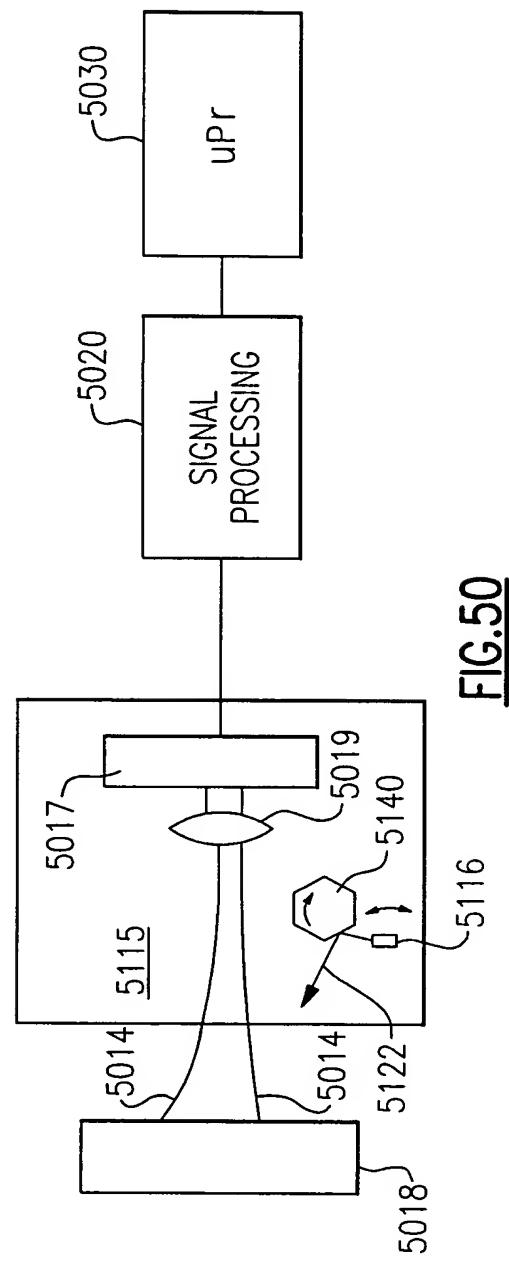


FIG.50